

Prentice Hall Mathematics, Course 3 © 2008
Correlated to:
Nevada Mathematics Process Standards for Grades 6-8 and
Content Standards for Grade 8

NEVADA MATHEMATICS STANDARD GRADE 8	PAGE(S) WHERE TAUGHT (If submission is not a book, cite appropriate location(s))
Process Standard A: Students will develop their ability to solve problems by engaging in developmentally appropriate opportunities where there is a need to use various approaches to investigate and understand mathematical concepts in order to:	
For Grades K-12:	
<ul style="list-style-type: none"> · Formulate their own problems · Find solutions to problems from everyday situations · Develop and apply strategies to solve a variety of problems · Integrate mathematical reasoning, communication and connections 	
For Grades 6-8:	
Generalize solutions and apply previous knowledge to new problem solving situations	SE/TE: xxxiv-xli, 7 (#16), 35 (#29), 40 (#31), 55 (#40), 59 (#32), 75 (#32), 83 (#20), 120 (#14), 133 (#9), 162 (#22), 183 (#12), 189 (#11), 194 (#21), 199 (#15), 216 (#23), 226 (#15), 237 (#18), 263 (#19), 268 (#29), 278 (#16), 371 (#14), 377 (#15), 383 (#16), 390 (#12)
	TR: Print Resources; Daily Notetaking Guide; Adapted Daily Notetaking Guide
	TECH: Calculators; Transparencies; Interactive Textbook Online; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
Determine an efficient strategy, verify, interpret, and evaluate the results with respect to the original problem	SE/TE: 39 (More Than One Way), 41 (#41), 74 (More Than One Way), 75 (#34), 131-132 (More Than One Way), 134 (#16), 176 (More Than One Way), 177 (#31), 202 (#10-12), 204 (#7-10), 225 (More Than One Way), 227 (#23), 235 (Example 2), 236 (Example 3), 273 (More Than One Way), 275 (#33), 330 (More Than One Way), 331 (#15-17), 382 (More Than One Way), 383 (#17), 434 (More Than One Way), 476 (Example 2), 493 (More Than One Way), 536 (More Than One Way), 563 (More Than One Way)
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Apply problem solving strategies until a solution is found or it is clear that no solution exists	SE/TE: xxxiv-xli, 7 (#16), 35 (#29), 40 (#31), 55 (#40), 59 (#32), 75 (#32), 83 (#20), 120 (#14), 133 (#9), 162 (#22), 183 (#12), 189 (#11), 194 (#21), 199 (#15), 216 (#23), 226 (#15), 237 (#18), 263 (#19), 268 (#29), 278 (#16), 371 (#14), 377 (#15), 383 (#16), 390 (#12)

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Interpret and solve a variety of mathematical problems by paraphrasing	SE/TE: 24 (Grades), 25 (#3a, 4a), 78 (Collections), 79 (#4a, 5a), 116 (Squares and Square Roots), 117 (#3a, 4a), 179 (Using Rates and Proportions), 180 (#4a), 240 (Practice Solving Problems), 279, 333 (Geoboard Area), 334 (#3a, 4a), 385 (Using Formulas), 454, 501 (Teams), 544, 587 (Solving Equations)
	TR: Print Resources; Daily Notetaking Guide; Adapted Daily Notetaking Guide
	TECH: Calculators; Transparencies; Interactive Textbook Online; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
Identify necessary and extraneous information	SE/TE: 24 (Grades), 25 (#3a, 4a), 68 (#29), 78 (Collections), 79 (#4a, 5a), 116 (Squares and Square Roots), 179 (Using Rates and Proportions), 190 (#20), 240 (Practice Solving Problems), 279, 333 (Geoboard Area), 334 (#3a, 4a), 385 (Using Formulas), 454, 501 (Teams), 502 (#4a, 5a), 544, 587 (Solving Equations), 588 (#3)
	TR: Print Resources; Daily Notetaking Guide; Adapted Daily Notetaking Guide
	TECH: Calculators; Transparencies; Interactive Textbook Online; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
Check the reasonableness of a solution	SE/TE: xxxiv-xli, 24 (Grades), 34 (Example 2), 35 (#29), 68 (#29), 73 (Example 3), 80 (Example 1, #1-4), 116 (Squares and Square Roots), 161 (Example 3), 167 (Example 2), 175 (Example 2), 179 (Using Rates and Proportions), 198 (Example 2), 220 (Example 4), 224 (Example 1), 230 (Example 1), 272 (Example 2), 279, 289 (Example 1), 370 (Example 3), 381 (Example 2), 385 (Using Formulas), 394 (Example 2), 454

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Content Standards for Grade 8

NEVADA MATHEMATICS STANDARD GRADE 8	PAGE(S) WHERE TAUGHT (If submission is not a book, cite appropriate location(s))
	TR: Print Resources: 1-6, 2-5, 2-6, 4-1, 4-2, 4-3, 4-7, 5-3, 5-4, 5-5, 6-3, 6-6, 8-4, 8-6, 8-8; Daily Notetaking Guide: 1-6, 2-5, 2-6, 4-1, 4-2, 4-3, 4-7, 5-3, 5-4, 5-5, 6-3, 6-6, 8-4, 8-6, 8-8; Adapted Daily Notetaking Guide: 1-6, 2-5, 2-6, 4-1, 4-2, 4-3, 4-7, 5-3, 5-4, 5-5, 6-3, 6-6, 8-4, 8-6, 8-8
	TECH: Calculators; Transparencies: 1-6, 2-5, 2-6, 4-1, 4-2, 4-3, 4-7, 5-3, 5-4, 5-5, 6-3, 6-6, 8-4, 8-6, 8-8; Interactive Textbook Online: 1-6, 2-5, 2-6, 4-1, 4-2, 4-3, 4-7, 5-3, 5-4, 5-5, 6-3, 6-6, 8-4, 8-6, 8-8; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
Apply technology as a tool in problem solving situations	SE/TE: 63 (Example 2), 107 (Example 3), 113 (Example 2), 119 (Example 2), 125 (Example 9), 167 (Example 2), 175 (Example 2), 198 (Example 2), 225 (More Than One Way), 230 (Example 1), 231 (Example 3), 337 (Example 1), 370 (Example 3), 376 (Example 4), 381 (Example 2), 389 (Example 3), 450 (Example 1)
	TR: Print Resources: 2-3, 3-1, 3-2, 3-3, 3-4, 4-2, 4-3, 4-7, 5-4, 5-5, 7-7, 8-4, 8-5, 8-6, 8-7, 9-8; Daily Notetaking Guide: 2-3, 3-1, 3-2, 3-3, 3-4, 4-2, 4-3, 4-7, 5-4, 5-5, 7-7, 8-4, 8-5, 8-6, 8-7, 9-8; Adapted Daily Notetaking Guide: 2-3, 3-1, 3-2, 3-3, 3-4, 4-2, 4-3, 4-7, 5-4, 5-5, 7-7, 8-4, 8-5, 8-6, 8-7, 9-8
	TECH: Calculators; Transparencies: 2-3, 3-1, 3-2, 3-3, 3-4, 4-2, 4-3, 4-7, 5-4, 5-5, 7-7, 8-4, 8-5, 8-6, 8-7, 9-8; Interactive Textbook Online: 2-3, 3-1, 3-2, 3-3, 3-4, 4-2, 4-3, 4-7, 5-4, 5-5, 7-7, 8-4, 8-5, 8-6, 8-7, 9-8; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
Process Standard B: Students will develop their ability to communicate mathematically by solving problems where there is a need to obtain information from the real world through reading, listening, and observing in order to:	
For Grades K-12:	
<ul style="list-style-type: none"> · Translate information into mathematical language and symbols · Process information mathematically · Present results in written, oral, and visual formats · Discuss and exchange ideas about mathematics as a part of learning · Read a variety of fiction and nonfiction texts to learn about mathematics 	
For Grades 6-8:	

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NEVADA MATHEMATICS STANDARD GRADE 8	PAGE(S) WHERE TAUGHT (If submission is not a book, cite appropriate location(s))
Use formulas, algorithms, inquiry, and other techniques to solve mathematical problems	SE/TE: 24-25, 78-79, 116-117, 179-180, 240-241, 279-280, 300 (#12-14), 328-330, 331 (#5-17), 333-334, 336-337, 338 (#4-23), 368-370, 371 (#2-14), 374-376, 377 (#2, 6-15), 380-381, 382 (More Than One Way, #2-5), 383, 385-386, 388-389, 454-455, 501-502, 544-545, 587-588
	TR: Print Resources; Daily Notetaking Guide; Adapted Daily Notetaking Guide
	TECH: Calculators; Transparencies; Interactive Textbook Online; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
Evaluate written and oral presentations in mathematics	<i>Opportunities to address this standard can be found on the following pages:</i> SE/TE: 48-49, 102-103, 156-157, 206-207, 256-257, 298-299, 350-351, 408-409, 466-467, 508-509, 556-557, 598-603
	TR: Print Resources; Daily Notetaking Guide; Adapted Daily Notetaking Guide
	TECH: Calculators; Transparencies; Interactive Textbook Online; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
Identify and translate key words and phrases that imply mathematical operations	SE/TE: 5 (Example 1, Quick Check 1), 6 (#3-8, 15-16, 17a), 8 (#28-29), 13 (#35), 14 (Checkpoint Quiz 1 #1-4, 12), 34 (Example 2, Quick Check 2), 35 (#3, 28-29), 40 (#31), 42 (#12), 44 (#12-14), 46 (#1-4), 267 (Example 2, Quick Check 2), 268 (#22, 29), 269 (#30-31), 270 (Checkpoint Quiz 1 #17), 287 (Checkpoint Quiz 2 #9-10), 291 (#11-12), 296 (#29-31), 524 (Example 3), 525 (#12-13), 537 (#9), 538 (#20-21), 540, 542 (#3-4, 9), 543 (#11a, 15)
	TR: Print Resources: 1-1, 1-6, 1-7, 6-1, 6-2, 6-3, 6-4, 6-5, 6-6; Daily Notetaking Guide: 1-1, 1-6, 1-7, 6-1, 6-2, 6-3, 6-4, 6-5, 6-6; Adapted Daily Notetaking Guide: 1-1, 1-6, 1-7, 6-1, 6-2, 6-3, 6-4, 6-5, 6-6
	TECH: Calculators; Transparencies: 1-1, 1-6, 1-7, 6-1, 6-2, 6-3, 6-4, 6-5, 6-6; Interactive Textbook Online: 1-1, 1-6, 1-7, 6-1, 6-2, 6-3, 6-4, 6-5, 6-6; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775

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Content Standards for Grade 8

NEVADA MATHEMATICS STANDARD GRADE 8	PAGE(S) WHERE TAUGHT (If submission is not a book, cite appropriate location(s))
Model and explain mathematical relationships using oral, written, graphic, and algebraic methods	SE/TE: 35 (#3, 28-29), 46 (#1-4), 130, 131 (Example 2, Quick Check 2), 133 (#5-12, 14-15), 139 (#25-26), 153 (#24-27), 262 (Example 2, Quick Check 2), 263 (#17-19), 264 (#30a, 32), 267 (Example 2, Quick Check 2), 268 (#22, 29), 269 (#30-31), 270 (Checkpoint Quiz 1 #17), 274 (#21, 23-25), 279, 280 (#3a, 4a, 5), 283 (Example 1, Quick Check 1, Example 2), 284 (#2-7, 20-21), 285 (#24-26, 33, 35), 287 (Checkpoint Quiz 2 #1-2, 9-10), 289-290, 291 (#11-22), 295 (#22-32), 296 (#24-39)
	TR: Print Resources; Daily Notetaking Guide; Adapted Daily Notetaking Guide
	TECH: Calculators; Transparencies; Interactive Textbook Online; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
Use everyday language, both orally and in writing, to communicate strategies and solutions to mathematical problems	SE/TE: 8 (#23), 56 (#50), 65 (#30), 109 (#36), 115 (#21), 121 (#20a), 144 (#27), 163 (#29), 170 (#37), 190 (#17), 195 (#25), 204 (#32), 227 (#24), 233 (#31), 244 (#13), 278 (#18), 384 (#23), 396 (#24), 401 (#15), 495 (#30), 531 (#13), 542 (#10), 579 (#27), 587 (#1), 595 (#39b, 41b, 42a)
	TR: Print Resources; Daily Notetaking Guide; Adapted Daily Notetaking Guide
	TECH: Calculators; Transparencies; Interactive Textbook Online; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
Process Standard C: Students will develop their ability to reason mathematically by solving problems where there is a need to investigate mathematical ideas and construct their own learning in all content areas in order to:	
For Grades K-12:	
<ul style="list-style-type: none"> · Reinforce and extend their logical reasoning abilities · Reflect on, clarify, and justify their thinking · Ask questions to extend their thinking · Use patterns and relationships to analyze mathematical situations · Determine relevant, irrelevant, and/or sufficient information to solve mathematical problems 	
For Grades 6-8:	

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NEVADA MATHEMATICS STANDARD GRADE 8	PAGE(S) WHERE TAUGHT (If submission is not a book, cite appropriate location(s))
Recognize and apply deductive and inductive reasoning	SE/TE: 13 (#30), 56 (#49), 65 (#32), 68 (#7), 76 (#39), 78 (#2), 115 (#22), 191 (#4b), 193 (#3), 238 (#21), 239 (#4), 265 (#4), 285 (#27-28), 287 (Activity Lab 6-6a #3), 291 (#23), 323 (#3b), 338 (#3), 340 (#7), 348 (#10-12), 416 (#24), 512, 513 (Example 3, Quick Check 3), 522 (Checkpoint Quiz 1 #1-3), 526 (#24-25), 552 (#6-9)
	TR: Print Resources; Daily Notetaking Guide; Adapted Daily Notetaking Guide
	TECH: Calculators; Transparencies; Interactive Textbook Online; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
Review and refine the assumptions and steps used to derive conclusions in mathematical arguments	SE/TE: 30 (#39), 65 (#30), 76 (#39), 89 (#41), 109 (#36), 115 (#21), 121 (#20a), 128 (#5), 170 (#37), 204 (#32), 227 (#24), 278 (#18), 306 (#27), 350 (#2, 3b, 4), 378 (#22), 384 (#23), 391 (#15), 396 (#24), 401 (#15), 495 (#30), 542 (#10), 579 (#27), 585 (#34-37)
	TR: Print Resources; Daily Notetaking Guide; Adapted Daily Notetaking Guide
	TECH: Calculators; Transparencies; Interactive Textbook Online; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
Justify answers and the steps taken to solve problems with and without manipulatives and physical models	SE/TE: 8 (#23), 19 (#33), 34 (Example 1-2), 39 (Example 2), 64 (#2), 261, 263 (#23), 271, 274 (#26), 276, 283 (Example 1), 315 (#23), 378 (#22), 385 (#1), 391 (#15), 416 (#23), 417 (Activity 1 #4, Exercises #1-4), 436 (#11), 437 (#15), 443 (#6), 447 (#12), 452 (#7), 472 (#13), 515 (#27), 567 (Example 3, Quick Check 3), 585 (#34-37)
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	TECH: Calculators; Transparencies; Interactive Textbook Online; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
Process Standard D: Students will develop the ability to make mathematical connections by solving problems where there is a need to view mathematics as an integrated whole in order to:	
For Grades K-12:	
Link new concepts to prior knowledge	

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NEVADA MATHEMATICS STANDARD GRADE 8	PAGE(S) WHERE TAUGHT (If submission is not a book, cite appropriate location(s))
<ul style="list-style-type: none"> · Identify relationships between content strands · Integrate mathematics with other disciplines · Allow the flexibility to approach problems in a variety of ways within and beyond the field of mathematics 	
For Grades 6-8:	
Use mathematical ideas from one area of mathematics to explain an idea from another area of mathematics	SE/TE: 56 (#51), 84 (#24), 378 (#21)
	TR: Print Resources: 2-1, 2-6, 8-5; Daily Notetaking Guide: 2-1, 2-6, 8-5; Adapted Daily Notetaking Guide: 2-1, 2-6, 8-5
	TECH: Calculators; Transparencies: 2-1, 2-6, 8-5; Interactive Textbook Online: 2-1, 2-6, 8-5; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com:web code ase-0775
Use manipulatives and physical models to explain the relationships between concepts and procedures	SE/TE: 32, 260, 263 (#17-18), 265, 272, 335 (Activity Lab 7-7a), 367, 373 (Activity Lab 8-5a), 379, 387
	TR: Print Resources: 1-6, 6-1, 6-2, 6-3, 7-7, 8-4, 8-5, 8-6, 8-7; Daily Notetaking Guide: 1-6, 6-1, 6-2, 6-3, 7-7, 8-4, 8-5, 8-6, 8-7; Adapted Daily Notetaking Guide: 1-6, 6-1, 6-2, 6-3, 7-7, 8-4, 8-5, 8-6, 8-7
	TECH: Calculators; Transparencies: 1-6, 6-1, 6-2, 6-3, 7-7, 8-4, 8-5, 8-6, 8-7; Interactive Textbook Online: 1-6, 6-1, 6-2, 6-3, 7-7, 8-4, 8-5, 8-6, 8-7; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com:web code ase-0775
Use the connections among mathematical topics to develop multiple approaches to problems	SE/TE: 39 (More Than One Way), 74 (More Than One Way), 131-132 (More Than One Way), 176 (More Than One Way), 225 (More Than One Way), 273 (More Than One Way), 330 (More Than One Way), 382 (More Than One Way), 434, 493 (More Than One Way), 536 (More Than One Way), 563 (More Than One Way)
	TR: Print Resources: 1-7, 2-5, 3-5, 4-3, 5-4, 6-3, 7-6, 8-6, 9-5, 10-5, 11-5, 12-1; Daily Notetaking Guide: 1-7, 2-5, 3-5, 4-3, 5-4, 6-3, 7-6, 8-6, 9-5, 10-5, 11-5, 12-1; Adapted Daily Notetaking Guide: 1-7, 2-5, 3-5, 4-3, 5-4, 6-3, 7-6, 8-6, 9-5, 10-5, 11-5, 12-1

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Apply mathematical thinking and modeling to solve problems that arise in other disciplines, such as rhythm in music and motion in science	SE/TE: 17 (Example 3), 127 (#27), 193 (Example 2, Quick Check 2), 200 (#17), 222 (#42), 248 (Example 4, Quick Check 4), 263 (#21), 310 (#24), 329 (Example 1), 332 (#19), 375, 392 (Checkpoint Quiz 2 #8), 418, 436 (#10-11), 470 (Example 1), 520 (#10), 521 (#17), 537 (#17-18), 542 (#4), 564 (#18), 572 (Example 3, Quick Check 3), 573 (#23-24), 574 (#40, 44), 584 (#14, 23-24), 588 (#3)
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	TECH: Calculators; Transparencies; Interactive Textbook Online; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
Identify, explain, and apply mathematics in everyday life	SE/TE: 6 (Example 4, Quick Check 4), 13 (#33, 35), 28 (Example 5, Quick Check 5), 70 (Checkpoint Quiz 1 #10), 162 (#21), 184 (#15, 21-22), 217 (#25-28, 35), 219 (Example 2), 221 (#17), 224, 226 (#5, 7, 15), 234-236, 237 (#5-18), 238 (#19-22, 24-25, 27), 268 (#22, 29), 274 (#20-22), 284 (#21-22), 285 (#26, 33), 287 (Checkpoint Quiz 2 #9-10), 384 (#24, 26-28), 389 (Example 3), 435 (Example 2, Quick Check 2), 494 (#6-9, 15-16, 27-29), 534-535, 538 (#20, 23)
	TR: Print Resources; Daily Notetaking Guide; Adapted Daily Notetaking Guide
	TECH: Calculators; Transparencies; Interactive Textbook Online; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
Content Standard 1.0 Students will accurately calculate and use estimation techniques, number relationships, operation rules, and algorithms; they will determine the reasonableness of answers and the accuracy of solutions to solve problems, communicate, reason, and make connections within and beyond the field of mathematics.	
At a minimum, students will maintain previous skills and attain the following at Grade 8:	
1.8.1 E/S	

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Represent numbers using scientific notation in mathematical and practical situations.	SE/TE: 93 (Example 2, Quick Check 2, Example 4, Quick Check 4), 94 (#10-14, 20-26), 95 (#31, 33, 35b, 37-38), 96 (#4-6), 99 (#34-37), 100 (#45-50), 110 (#54-56), 144 (#30), 401 (#20-23), 466 (#3), 572, 573 (#8, 17-24, 27), 574 (#40, 44), 575, 580 (Checkpoint Quiz 2 #4-6), 584 (#23-24), 585 (#33), 591 (#24-27), 592 (#23-27, 44), 593 (#13), 597 (#1), 606 (#42-45), 607 (#55), 626 (#14-17), 627 (#33-34, 36)
	TR: Print Resources: 2-8, 12-3; Daily Notetaking Guide: 2-8, 12-3; Adapted Daily Notetaking Guide: 2-8, 12-3
	TECH: Calculators; Transparencies: 2-8, 12-3; Interactive Textbook Online: 2-8, 12-3; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775

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1.8.2 E/S	
Translate among fractions, decimals, and percents, including percents greater than 100 and percents less than 1.	SE/TE: 58, 59 (#3-6, 15-31, 33), 60 (#34, 36), 61 (Example, #1-6), 70 (Checkpoint Quiz 1 #4), 89 (#46-49), 100 (#12-19), 104 (#6-9), 158 (#5-9), 210-211, 212 (#2-21), 213 (#26-32), 229 (Checkpoint Quiz 1 #1-5, Activity Lab 5-5a #2), 230 (Check Skills You'll Need #2-5), 252 (#6-13), 254 (#5-7), 255 (#7), 316 (#32-36), 410 (#14-22), 422 (#25-28), 606 (#17-20), 612 (#1-8), 613 (#40)
	TR: Print Resources: 2-2, 5-1; Daily Notetaking Guide: 2-2, 5-1; Adapted Daily Notetaking Guide: 2-2, 5-1
	TECH: Calculators; Transparencies: 2-2, 5-1; Interactive Textbook Online: 2-2, 5-1; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
Explain and use the relationship among equivalent representations of rational numbers in mathematical and practical situations.	SE/TE: 57-59, 60 (#34-39), 61, 62-63, 64 (#2-25), 65 (#26-32, 35-36), 66-67, 68 (#6, 8-30), 69 (#31-38, 42, 44-46), 70 (Checkpoint Quiz 1 #3 10), 72 (Check Skills You'll Need #2-5), 84 (#29), 89 (#45-49), 99 (#17-22), 100 (#8-19, 22, 24-27), 104 (#6-9), 158 (#1-9), 160 (Check Skills You'll Need #2-5), 210-211, 212 (Example 4, Quick Check 4, #2-25), 213 (#26-35), 227 (#29), 229 (Checkpoint Quiz 1 #1-5, 10-14, Activity Lab 5-5a #2), 606 (#9-24, 26-28), 607 (#48, 50)
	TR: Print Resources: 2-2, 2-3, 2-4, 5-1; Daily Notetaking Guide: 2-2, 2-3, 2-4, 5-1; Adapted Daily Notetaking Guide: 2-2, 2-3, 2-4, 5-1
	TECH: Calculators; Transparencies: 2-2, 2-3, 2-4, 5-1; Interactive Textbook Online: 2-2, 2-3, 2-4, 5-1; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
1.8.3 E/S	
Compare and order real numbers, including powers of whole numbers in mathematical and practical situations.	SE/TE: 2 (#1-4), 11 (Example 2-3, Quick Check 2-3), 12 (#10-14, 19, 20a), 13 (#22, 24-29, 32), 19 (#39-41), 23 (#44), 30 (#44), 45 (#15-19), 46 (#25-28), 50 (#5-8), 60 (#40), 62-63, 64 (#2-25), 65 (#26-29, 31-32, 35-36), 69 (#44-46), 70 (Checkpoint Quiz 1 #5), 99 (#17-19), 100 (#8-11), 121 (#25-28), 124 (Check Skills You'll Need #2-5), 184 (#23-26), 195 (#29), 606 (#21-24), 607 (#48), 629
	TR: Print Resources: 1-2, 2-3; Daily Notetaking Guide: 1-2, 2-3; Adapted Daily Notetaking Guide: 1-2, 2-3

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1.8.5 E/S	
Identify perfect squares to 225 and their corresponding square roots.	SE/TE: 106 (Example 1, Quick Check 1a-1b), 108 (#5, 7), 109 (#9-10), 112 (Check Skills You'll Need #3), 154 (#4-5), 163 (#34)
	TR: Print Resources: 3-1; Daily Notetaking Guide: 3-1; Adapted Daily Notetaking Guide: 3-1
	TECH: Calculators; Transparencies: 3-1; Interactive Textbook Online: 3-1; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
1.8.6 E/S	
Use estimation strategies to determine the reasonableness of an answer in mathematical and practical situations.	SE/TE: 34 (Example 2), 35 (#29), 68 (#29), 73 (Example 3), 80 (Example 1, #1-4), 82 (Example 2), 116 (Squares and Square Roots), 161 (Example 3), 167 (Example 2), 175 (Example 2), 179 (#1), 198 (Example 2), 220 (Example 4), 224 (Example 1), 230 (Example 1), 263 (#22), 272 (Example 2), 279, 289 (Example 1), 370 (Example 3), 381 (Example 2), 385 (Using Formulas), 394 (Example 2)
	TR: Print Resources: 1-6, 2-4, 2-5, 2-6, 4-1, 4-2, 4-3, 4-7, 5-3, 5-4, 5-5, 6-1, 6-3, 6-6, 8-4, 8-6, 8-8; Daily Notetaking Guide: 1-6, 2-4, 2-5, 2-6, 4-1, 4-2, 4-3, 4-7, 5-3, 5-4, 5-5, 6-1, 6-3, 6-6, 8-4, 8-6, 8-8; Adapted Daily Notetaking Guide: 1-6, 2-4, 2-5, 2-6, 4-1, 4-2, 4-3, 4-7, 5-3, 5-4, 5-5, 6-1, 6-3, 6-6, 8-4, 8-6, 8-8
	TECH: Calculators; Transparencies: 1-6, 2-4, 2-5, 2-6, 4-1, 4-2, 4-3, 4-7, 5-3, 5-4, 5-5, 6-1, 6-3, 6-6, 8-4, 8-6, 8-8; Interactive Textbook Online: 1-6, 2-4, 2-5, 2-6, 4-1, 4-2, 4-3, 4-7, 5-3, 5-4, 5-5, 6-1, 6-3, 6-6, 8-4, 8-6, 8-8; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775

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1.8.7 I/S	
Calculate with real numbers to solve mathematical and practical situations.	SE/TE: 66-67, 68 (#4-6, 8-30), 69 (#31-38, 42), 70 (Checkpoint Quiz 1 #6-10), 72-73, 74 (More Than One Way), 75, 76 (#35-38, 41-44, 46-48), 81, 82 (Example 2, Quick Check 2), 83 (#3-4, 8-13, 20), 87, 91 (Checkpoint Quiz 2 #1-8, 10), 101 (#1, 3-5, 9, 11, 13b, 14b), 230-231, 232 (#2-22), 233 (#23-30, 32-33, 36-38), 234-236, 237 (#5-18), 238 (#19-22, 24-25, 28-31), 242, 243 (Example 2, Quick Check 2, #4-7), 244, 245 (Checkpoint Quiz 2 #1-9), 253 (#18-30)
	TR: Print Resources: 1-3, 1-4, 2-4, 2-5, 5-5, 5-6, 5-7; Daily Notetaking Guide: 1-3, 1-4, 2-4, 2-5, 5-5, 5-6, 5-7; Adapted Daily Notetaking Guide: 1-3, 1-4, 2-4, 2-5, 5-5, 5-6, 5-7
	TECH: Calculators; Transparencies: 1-3, 1-4, 2-4, 2-5, 5-5, 5-6, 5-7; Interactive Textbook Online: 1-3, 1-4, 2-4, 2-5, 5-5, 5-6, 5-7; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
Use order of operations to solve equations in the real number system.	SE/TE: 260 (Activity, #1-9, 11), 261, 262 (Example 2, Quick Check 2), 263 (#8-19, 23), 264 (#24-29, 30a, 31), 270 (Checkpoint Quiz 1 #1-9), 271-272, 273 (More Than One Way, #3-5), 274 (#6-19, 21, 23-25, 27-30), 275 (#31-32, 34-35, 38-40), 276, 277 (Example 2, #5), 278 (#7-14, 16, 19, 23-24), 282 (Check Skills You'll Need #2-4), 287 (Checkpoint Quiz 2 #3-5, 9-10), 294 (#6-13), 295 (#17-21), 296 (#7-23), 343 (#15), 441 (#18), 614 (#3-10, 19-27), 615 (#42-43, 45-47)
	TR: Print Resources: 6-1, 6-3, 6-4; Daily Notetaking Guide: 6-1, 6-3, 6-4; Adapted Daily Notetaking Guide: 6-1, 6-3, 6-4
	TECH: Calculators; Transparencies: 6-1, 6-3, 6-4; Interactive Textbook Online: 6-1, 6-3, 6-4; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775

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1.8.8 I/L	
Identify and apply the identity property, inverse property, and the absolute value of real numbers to solve problems.	SE/TE: 10, 11 (Example 4, Quick Check 4), 12 (#6-9, 15-18), 13 (#24-27, 29), 14 (Checkpoint Quiz 1 #5-11), 29 (#2, 7), 34, 35 (#2, 10-30), 36 (#31-35, 37-40), 38-39, 40 (#12-29, 31), 41 (#37-40), 45 (#17-18, 33-38), 46 (#12-17, 35, 41-46), 67 (Example 4, Quick Check 4), 69 (#31-36), 73 (Example 4, Quick Check 4), 75 (#26-31), 76 (#46-48), 158 (#10-15), 208 (#1-4, 12-17), 261, 262 (Example 2, Guided Practice 2, #3-6), 604 (#6-8, 26-34), 605 (#48-49), 614 (#19-33, 36-41)
	TR: Print Resources: 1-2, 1-6, 1-7, 6-1, 6-3, 6-4, 6-5, 6-6; Daily Notetaking Guide: 1-2, 1-6, 1-7, 6-1, 6-3, 6-4, 6-5, 6-6; Adapted Daily Notetaking Guide: 1-2, 1-6, 1-7, 6-1, 6-3, 6-4, 6-5, 6-6
	TECH: Calculators; Transparencies: 1-2, 1-6, 1-7, 6-1, 6-3, 6-4, 6-5, 6-6; Interactive Textbook Online: 1-2, 1-6, 1-7, 6-1, 6-3, 6-4, 6-5, 6-6; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com:web code ase-0775
Content Standard 2.0 Students will use various algebraic methods to analyze, illustrate, extend, and create numerous representations (words, numbers, tables, and graphs) of patterns, functions, and algebraic relations as modeled in practical situations to solve problems, communicate, reason, and make connections within and beyond the field of mathematics.	
At a minimum, students will maintain previous skills and attain the following at Grade 8:	
2.8.1 E/S	
Find the missing term in a numerical sequence or a pictorial representation of a sequence.	SE/TE: 512, 513 (Example 3, Quick Check 3), 514 (Example 4, Quick Check 4), 515 (#8-23, 28-33), 516 (#37-38), 522 (Checkpoint Quiz 1 #1-3), 526 (#24-25), 552 (#6-9), 595 (#36a), 624 (#1-4)
	TR: Print Resources: 11-1; Daily Notetaking Guide: 11-1; Adapted Daily Notetaking Guide: 11-1
	TECH: Calculators; Transparencies: 11-1; Interactive Textbook Online: 11-1; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com:web code ase-0775

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Nevada Mathematics Process Standards for Grades 6-8 and
Content Standards for Grade 8

NEVADA MATHEMATICS STANDARD GRADE 8	PAGE(S) WHERE TAUGHT (If submission is not a book, cite appropriate location(s))
2.8.2 I/S	
Evaluate formulas and algebraic expressions using rational numbers (with and without technology).	SE/TE: 5 (Example 2, Quick Check 2), 6, 7 (#9-15), 8 (#20-22), 10 (Check Skills You'll Need #2-4), 11 (Example 4, Quick Check 4), 12 (#15-18), 13 (#35), 14 (Checkpoint Quiz 1 #9-12), 16 (Check Skills You'll Need #2-5), 19 (#34), 21 (Example 3, Quick Check 3), 22 (#23-28), 44 (#9-11), 46 (#12-17, 29-32), 104 (#1-2), 258 (#9-11), 300 (#1-3, 12-14), 328-330, 331 (#5-13, 15-17), 335 (Checkpoint Quiz 2 #1-3), 337, 338 (#4-23), 604 (#1-4), 618 (#8-15), 619 (#19-25)
	TR: Print Resources: 1-1, 1-2, 1-3, 1-4, 7-6, 7-7, 8-4, 8-5, 8-6, 8-7, 8-8; Daily Notetaking Guide: 1-1, 1-2, 1-3, 1-4, 7-6, 7-7, 8-4, 8-5, 8-6, 8-7, 8-8; Adapted Daily Notetaking Guide: 1-1, 1-2, 1-3, 1-4, 7-6, 7-7, 8-4, 8-5, 8-6, 8-7, 8-8
	TECH: Calculators; Transparencies: 1-1, 1-2, 1-3, 1-4, 7-6, 7-7, 8-4, 8-5, 8-6, 8-7, 8-8; Interactive Textbook Online: 1-1, 1-2, 1-3, 1-4, 7-6, 7-7, 8-4, 8-5, 8-6, 8-7, 8-8; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
Solve and graphically represent equations and inequalities in one variable, including absolute value.	SE/TE: 34, 35 (#2, 10-29), 36 (#31-33, 37-40), 38-39, 40 (#12-29, 31), 41 (#37-40, 43), 42 (Example 1-2, #1-10, 12), 45 (#33-38), 46 (#41-46), 73 (Example 4, Quick Check 4), 75 (#26-31), 76 (#46-48), 260 (Activity, #1-9, 11), 261, 262 (Example 2, Quick Check 2), 263 (#8-19, 23), 264 (#24-29, 30a, 31), 270 (Checkpoint Quiz 1 #1-9), 282-283, 284 (#8-22), 287 (Checkpoint Quiz 2 #3-10), 288-290, 291 (#3-22), 294 (#6-11), 300 (#4-11)
	TR: Print Resources: 1-6, 1-7, 6-1, 6-2, 6-3, 6-4, 6-5, 6-6; Daily Notetaking Guide: 1-6, 1-7, 6-1, 6-2, 6-3, 6-4, 6-5, 6-6; Adapted Daily Notetaking Guide: 1-6, 1-7, 6-1, 6-2, 6-3, 6-4, 6-5, 6-6
	TECH: Calculators; Transparencies: 1-6, 1-7, 6-1, 6-2, 6-3, 6-4, 6-5, 6-6; Interactive Textbook Online: 1-6, 1-7, 6-1, 6-2, 6-3, 6-4, 6-5, 6-6; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775

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2.8.3 I/S	
Add and subtract binomials.	SE/TE: 567 (Example 2, Quick Check 2), 568 (#9, 14, 19), 569 (#25), 570 (Checkpoint Quiz 1 #7), 590 (#12, 16, 18)
	TR: Print Resources: 12-2; Daily Notetaking Guide: 12-2; Adapted Daily Notetaking Guide: 12-2
	TECH: Calculators; Transparencies: 12-2; Interactive Textbook Online: 12-2; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
2.8.4 I/S	
Identify, model, describe, and evaluate functions (with and without technology).	SE/TE: 523-524, 525 (#4-15), 526 (#16a, 18-21), 533 (Example, #1-4), 534-535, 536 (More Than One Way, #5), 537 (#6-16, 17a-17b, 18-19), 538 (#20-22), 539 (Checkpoint Quiz 2 #1-5, 10), 540-541, 542 (#2-9), 543 (#11a, 15-16), 544, 545 (#3, 4b, 5-6), 546-547, 548 (#3-19), 549 (#20-22, 23a, 24-31, 33-36), 550 (Example, #1-3), 553 (#14-17, 22-29), 554 (#5-16, 24-25, 28), 565 (#32-34), 579 (#35-37), 595 (#33a, 39), 624 (#8-25), 625 (#29, 31-33)
	TR: Print Resources: 11-3, 11-5, 11-6, 11-7; Daily Notetaking Guide: 11-3, 11-5, 11-6, 11-7; Adapted Daily Notetaking Guide: 11-3, 11-5, 11-6, 11-7
	TECH: Calculators; Transparencies: 11-3, 11-5, 11-6, 11-7; Interactive Textbook Online: 11-3, 11-5, 11-6, 11-7; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
Translate among verbal descriptions, graphic, tabular, and algebraic representations of mathematical situations (with and without technology).	SE/TE: 523, 524 (Example 3), 525 (#4-6, 12-13), 526 (#18-19), 533 (Example, #1-4), 534-535, 536 (More Than One Way, #5), 537 (#6-15, 17a, 18-19), 538 (#20-22), 539 (Checkpoint Quiz 1 #5, 10), 540-541, 542 (#2-9), 543 (#11a, 15-16), 544, 545 (#3, 4b, 5-6), 546-547, 548 (#3-19), 549 (#20-22, 23a, 24-31), 550 (Example, #1-3), 553 (#22-29), 554 (#8-16, 24-25), 565 (#32-34), 579 (#35-37), 624 (#12-20, 22-25), 625 (#28-29, 31-33)
	TR: Print Resources: 11-3, 11-5, 11-6, 11-7; Daily Notetaking Guide: 11-3, 11-5, 11-6, 11-7; Adapted Daily Notetaking Guide: 11-3, 11-5, 11-6, 11-7

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Nevada Mathematics Process Standards for Grades 6-8 and
Content Standards for Grade 8

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	TECH: Calculators; Transparencies: 11-3, 11-5, 11-6, 11-7; Interactive Textbook Online: 11-3, 11-5, 11-6, 11-7; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com:web code ase-0775
2.8.5 E/S	
Solve linear equations and represent the solution graphically.	SE/TE: 34, 35 (#2, 10-29), 36 (#31-33, 37-40), 38-39, 40 (#12-29, 31), 41 (#37-40, 43), 42 (Example 1-2, #1-10, 12), 45 (#33-38), 46 (#41-46), 73 (Example 4, Quick Check 4), 75 (#26-31), 76 (#46-48), 260 (Activity, #1-9, 11), 261, 262 (Example 2, Quick Check 2), 263 (#8-19, 23), 264 (#24-29, 30a, 31), 270 (Checkpoint Quiz 1 #1-9), 271-272, 273 (More Than One Way, #3-5), 274 (#6-19, 21, 23-25, 27-30), 275 (#31-32, 34-35, 38-40), 276, 277 (Example 2, #5), 278 (#7-14, 16, 19, 23-24), 282 (Check Skills You'll Need #2-4), 287 (Checkpoint Quiz 2 #3-5, 9-10)
	TR: Print Resources: 1-6, 1-7, 6-1, 6-3, 6-4; Daily Notetaking Guide: 1-6, 1-7, 6-1, 6-3, 6-4; Adapted Daily Notetaking Guide: 1-6, 1-7, 6-1, 6-3, 6-4
	TECH: Calculators; Transparencies: 1-6, 1-7, 6-1, 6-3, 6-4; Interactive Textbook Online: 1-6, 1-7, 6-1, 6-3, 6-4; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com:web code ase-0775
Solve inequalities and represent the solution on a number line.	SE/TE: 282-283, 284 (#8-22), 287 (Checkpoint Quiz 2 #6-8), 288-290, 291 (#3-22), 292 (#35-37), 295 (#22-24, 27-32), 296 (#29-39), 297 (#1, 6), 593 (#4), 614 (#28-33, 36-41), 615 (#48)
	TR: Print Resources: 6-5, 6-6; Daily Notetaking Guide: 6-5, 6-6; Adapted Daily Notetaking Guide: 6-5, 6-6
	TECH: Calculators; Transparencies: 6-5, 6-6; Interactive Textbook Online: 6-5, 6-6; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com:web code ase-0775

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Nevada Mathematics Process Standards for Grades 6-8 and
Content Standards for Grade 8

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2.8.6 I/S	
Describe how changes in the value of one variable affect the values of the remaining variables in a relation.	<i>Opportunities to address this standard can be found on the following pages:</i> SE/TE: 7 (#16), 13 (#35), 130, 131 (Example 2), 132 (#2), 133 (#5-6, 9, 15), 140 (Checkpoint Quiz 2 #8), 523, 534 (Quick Check 2), 525 (#4-11), 526 (#17-19, 21), 534-535, 536 (More Than One Way, #5), 537 (#6-8, 18), 539 (Checkpoint Quiz 2 #10), 546, 547 (Example 2, Quick Check 2), 548 (#3-13, 18-19), 549 (#20-22, 27-30, 33-36), 553 (#14-17, 26-29), 565 (#32-34), 624 (#8-11, 15-18, 22-25), 625 (#31, 33)
	TR: Print Resources: 1-1, 1-2, 3-5, 11-3, 11-5, 11-7; Daily Notetaking Guide: 1-1, 1-2, 3-5, 11-3, 11-5, 11-7; Adapted Daily Notetaking Guide: 1-1, 1-2, 3-5, 11-3, 11-5, 11-7
	TECH: Calculators; Transparencies: 1-1, 1-2, 3-5, 11-3, 11-5, 11-7; Interactive Textbook Online: 1-1, 1-2, 3-5, 11-3, 11-5, 11-7; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
Content Standard 3.0 Students will use appropriate tools and techniques of measurement to determine, estimate, record, and verify direct and indirect measurements to solve problems, communicate, reason, and make connections within and beyond the field of mathematics.	
At a minimum, students will maintain previous skills and attain the following at Grade 8:	
3.8.1 I/S	
Estimate and convert units of measure for mass and capacity within the same measurement system (customary and metric).	SE/TE: 168 (Example 3, Quick Check 3-4), 169 (#9, 16, 20-21, 23-24), 171 (Checkpoint Quiz 1 #10-11), 204 (#20-22), 233 (#36-37), 332 (#23), 593 (#6), 610 (#7-8)
	TR: Print Resources: 4-2; Daily Notetaking Guide: 4-2; Adapted Daily Notetaking Guide: 4-2
	TECH: Calculators; Transparencies: 4-2; Interactive Textbook Online: 4-2; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
3.8.2 I/S	
Demonstrate an understanding of precision, error, and tolerance when using appropriate measurement tools.	<i>Opportunities to address this standard can be found on the following page:</i> SE/TE: 402
	TR: Print Resources: 8-9; Daily Notetaking Guide: 8-9; Adapted Daily Notetaking Guide: 8-9
	TECH: Calculators; Transparencies: 8-9; Interactive Textbook Online: 8-9; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775

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Nevada Mathematics Process Standards for Grades 6-8 and
Content Standards for Grade 8

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3.8.3 E/S	
Identify how changes in a dimension of a figure effect changes in its perimeter, area and volume.	SE/TE: 339 (#32), 378 (#22), 391 (#15, 18), 397 (#3-6), 399, 400 (#3-4, 7-10), 401 (#12-14, 18), 405 (#22-24), 618 (#15), 619 (#24-25)
	TR: Print Resources: 7-7, 8-5, 8-7, 8-9; Daily Notetaking Guide: 7-7, 8-5, 8-7, 8-9; Adapted Daily Notetaking Guide: 7-7, 8-5, 8-7, 8-9
	TECH: Calculators; Transparencies: 7-7, 8-5, 8-7, 8-9; Interactive Textbook Online: 7-7, 8-5, 8-7, 8-9; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
3.8.4 E/S	
Calculate percents in monetary problems.	SE/TE: 215 (Example 3, Quick Check 3), 216 (#1-4, 16-22), 217 (#25-28), 219 (Example 2), 221 (#17), 224, 226 (#7-8, 15, 17), 227 (#19-21), 235-236, 237 (#9-18), 238 (#19-22), 240 (Practice Solving Problems, #3), 241 (#4, 5a, 8), 242, 243 (Example 2, Quick Check 2, #4-7), 244 (#8-13, 15), 245 (Checkpoint Quiz 2 #6-9), 251 (#4), 253 (#27-30), 254 (#22, 28-29, 31-34), 255 (#6, 15), 316 (#29), 339 (#38-41), 612 (#13, 16, 32-36), 613 (#43, 46)
	TR: Print Resources: 5-2, 5-3, 5-4, 5-5, 5-6, 5-7; Daily Notetaking Guide: 5-2, 5-3, 5-4, 5-5, 5-6, 5-7; Adapted Daily Notetaking Guide: 5-2, 5-3, 5-4, 5-5, 5-6, 5-7
	TECH: Calculators; Transparencies: 5-2, 5-3, 5-4, 5-5, 5-6, 5-7; Interactive Textbook Online: 5-2, 5-3, 5-4, 5-5, 5-6, 5-7; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
3.8.5 E/S	
Apply ratios and proportions to calculate rates and solve mathematical and practical problems using indirect measure.	SE/TE: 161, 162 (#14-23), 163 (#27, 28b), 164 (#4), 167 (Example 2, Quick Check 2), 169 (#10-14), 170 (#27-28, 38, 40), 171 (Checkpoint Quiz 1 #5-9, 13-15), 179 (Using Rates and Proportions), 180 (#4), 196 (Activity #3, Exercise #3), 197, 198 (Example 2, Quick Check 2), 199, 200 (#17-18, 20, 22), 202 (#10-19), 203 (#36), 204 (#7-12, 34), 574 (#47-50), 610 (#1-4, 23-24), 611 (#25, 31)
	TR: Print Resources: 4-1, 4-2, 4-3, 4-7; Daily Notetaking Guide: 4-1, 4-2, 4-3, 4-7; Adapted Daily Notetaking Guide: 4-1, 4-2, 4-3, 4-7

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Nevada Mathematics Process Standards for Grades 6-8 and
Content Standards for Grade 8

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	TECH: Calculators; Transparencies: 4-1, 4-2, 4-3, 4-7; Interactive Textbook Online: 4-1, 4-2, 4-3, 4-7; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com:web code ase-0775
Content Standard 4.0 Students will identify, represent, verify, and apply spatial relationships and geometric properties to solve problems, communicate, and make connections within and beyond the field of mathematics.	
At a minimum, students will maintain previous skills and attain the following at Grade 8:	
4.8.1 E/S	
Find and use the sum of the measures of interior angles of polygons.	SE/TE: 323 (#2), 324-325, 326 (#7-22), 327 (#24-26, 28-30), 332 (#24-27), 335 (Checkpoint Quiz 2 #4), 347 (#13-16), 348 (#23-25), 366 (#17-20), 616 (#13-17), 617 (#27)
	TR: Print Resources: 7-5; Daily Notetaking Guide: 7-5; Adapted Daily Notetaking Guide: 7-5
	TECH: Calculators; Transparencies: 7-5; Interactive Textbook Online: 7-5; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com:web code ase-0775
4.8.2 E/S	
Apply the properties of equality and proportionality to congruent or similar shapes.	SE/TE: 181 (Quick Check 1), 182, 183 (#5, 7-12), 184 (#13-15, 18, 20), 186 (Checkpoint Quiz 2 #8-10), 188 (Example 3, Quick Check 3), 189 (#3, 8-11), 190 (#15-16, 18-19), 197, 198 (Example 2, Quick Check 2, #6), 199, 200 (#17, 18, 20, 22), 203 (#25-28, 34-36), 204 (#18-19, 34-35), 227 (#28), 278 (#21), 292 (#34), 310 (#33), 314 (Example 3, Quick Check 3), 315 (#11-18), 316 (#26-27), 317 (#9-14), 321 (#28), 610 (#13-15, 23), 611 (#29-31)
	TR: Print Resources: 4-4, 4-5, 4-7, 7-3; Daily Notetaking Guide: 4-4, 4-5, 4-7, 7-3; Adapted Daily Notetaking Guide: 4-4, 4-5, 4-7, 7-3
	TECH: Calculators; Transparencies: 4-4, 4-5, 4-7, 7-3; Interactive Textbook Online: 4-4, 4-5, 4-7, 7-3; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com:web code ase-0775
4.8.3 I/S	
Demonstrate dilation using coordinate geometry and models.	SE/TE: 186 (Activity Lab 4-5a), 187-188, 189 (#47), 190 (#12-14), 191 (Activity, #2), 204 (#33), 610 (#16-17)
	TR: Print Resources: 4-5; Daily Notetaking Guide: 4-5; Adapted Daily Notetaking Guide: 4-5

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Nevada Mathematics Process Standards for Grades 6-8 and
Content Standards for Grade 8

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Describe the relationship between an original figure and its transformation or dilation.	SE/TE: 137 (Example 2, Quick Check 2), 138 (#11-14), 139 (#20), 140 (Checkpoint Quiz 2 #7, Activity Lab 3-7a #4), 144 (#22a), 154 (#35), 186 (Activity Lab 4-5a #2), 188 (Example 3, Quick Check 3), 189 (#1-3, 8-10), 190 (#15, 18-19), 191 (#3-4), 203 (#28), 204 (#35), 217 (#39-40), 278 (#21), 292 (#34), 310 (#33), 321 (#28)
	TR: Print Resources: 3-6, 3-7, 3-8, 4-5; Daily Notetaking Guide: 3-6, 3-7, 3-8, 4-5; Adapted Daily Notetaking Guide: 3-6, 3-7, 3-8, 4-5
	TECH: Calculators; Transparencies: 3-6, 3-7, 3-8, 4-5; Interactive Textbook Online: 3-6, 3-7, 3-8, 4-5; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
4.8.5 I/S	
Calculate slope, midpoint, and distance using equations and formulas (with and without technology).	SE/TE: 125 (Example 2, Quick Check 2), 126 (#23-24), 128 (Activity #2, Exercises #1-3), 527, 528-529, 530 (Example 3, Quick Check 3, #3-7), 531 (#8-10), 534 (Check Skills You'll Need #2-4), 539 (Checkpoint Quiz 2 #6-8), 553 (#18-21), 554 (#20-23), 624 (#12-14)
	TR: Print Resources: 3-4, 11-4; Daily Notetaking Guide: 3-4, 11-4; Adapted Daily Notetaking Guide: 3-4, 11-4
	TECH: Calculators; Transparencies: 3-4, 11-4; Interactive Textbook Online: 3-4, 11-4; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
Determine the x - and y - intercepts of a line.	SE/TE: 536 (#3-4), 537 (#9), 540 (Check Skills You'll Need #2-4)
	TR: Print Resources: 11-5; Daily Notetaking Guide: 11-5; Adapted Daily Notetaking Guide: 11-5
	TECH: Calculators; Transparencies: 11-5; Interactive Textbook Online: 11-5; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775

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4.8.6 I/S	
Form generalizations and validate conclusions about geometric figures and their properties.	SE/TE: 305 (#4), 306 (#26-27, 32), 309 (#5), 350 (#2), 361 (#16), 378 (#22)
	TR: Print Resources: 7-1, 7-2, 8-2, 8-5; Daily Notetaking Guide: 7-1, 7-2, 8-2, 8-5; Adapted Daily Notetaking Guide: 7-1, 7-2, 8-2, 8-5
	TECH: Calculators; Transparencies: 7-1, 7-2, 8-2, 8-5; Interactive Textbook Online: 7-1, 7-2, 8-2, 8-5; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
4.8.7 I/S	
Verify and explain the Pythagorean Theorem using a variety of methods.	SE/TE: 111
	TR: Print Resources: 3-2; Daily Notetaking Guide: 3-2; Adapted Daily Notetaking Guide: 3-2
	TECH: Calculators; Transparencies: 3-2; Interactive Textbook Online: 3-2; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
Determine the measure of the missing side of a right triangle.	SE/TE: 111-112, 113 (#2-14), 114 (#15a, 16-21, 25), 117 (#3), 118-119, 120 (#2-14), 121 (#15-18, 20b, 22), 123 (Checkpoint Quiz 1 #5-9), 127 (#34), 144 (#32-34), 153 (#14-17), 154 (#13-17), 158 (#16-18), 163 (#33), 190 (#21-23), 593 (#7), 608 (#5-16), 609 (#30-31)
	TR: Print Resources: 3-2, 3-3; Daily Notetaking Guide: 3-2, 3-3; Adapted Daily Notetaking Guide: 3-2, 3-3
	TECH: Calculators; Transparencies: 3-2, 3-3; Interactive Textbook Online: 3-2, 3-3; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
4.8.8 W/L	
Construct geometric figures using a variety of tools.	SE/TE: 341, 342 (Example 2, Quick Check 2, #5-8), 343 (#9, 12), 344, 347 (#20-21), 348 (#29), 378 (#27), 616 (#20)
	TR: Print Resources: 7-8; Daily Notetaking Guide: 7-8; Adapted Daily Notetaking Guide: 7-8
	TECH: Calculators; Transparencies: 7-8; Interactive Textbook Online: 7-8; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775

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Content Standards for Grade 8

NEVADA MATHEMATICS STANDARD GRADE 8	PAGE(S) WHERE TAUGHT (If submission is not a book, cite appropriate location(s))
4.8.9 I/L	
Represent logical relationships using conditional statements.	SE/TE: 321 (#23-25)
	TR: Print Resources: 7-4; Daily Notetaking Guide: 7-4; Adapted Daily Notetaking Guide: 7-4
	TECH: Calculators; Transparencies: 7-4; Interactive Textbook Online: 7-4; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
Content Standard 5.0 Students will collect, organize, display, interpret, and analyze data to determine statistical relationships and probability projections to solve problems, communicate, reason, and make connections within and beyond the field of mathematics.	
At a minimum, students will maintain previous skills and attain the following at Grade 8:	
5.8.1E/S	
Formulate questions and design a study that guides the collection of data.	<i>Opportunities to address this standard can be found on the following pages:</i> SE/TE: 417, 443
	TR: Print Resources: 9-1, 9-7; Daily Notetaking Guide: 9-1, 9-7; Adapted Daily Notetaking Guide: 9-1, 9-7
	TECH: Calculators; Transparencies: 9-1, 9-7; Interactive Textbook Online: 9-1, 9-7; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
Organize, display, and read data including box and whisker plots (with and without technology).	SE/TE: 438-439, 440 (#2-9), 441 (#10-12, 14, 17), 442, 447 (#18), 449 (Checkpoint Quiz 2 #3), 455 (#7), 463 (#11), 464 (#13), 465 (#14), 538 (#25-28), 620 (#8), 621 (#19)
	TR: Print Resources: 9-6; Daily Notetaking Guide: 9-6; Adapted Daily Notetaking Guide: 9-6
	TECH: Calculators; Transparencies: 9-6; Interactive Textbook Online: 9-6; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775

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Nevada Mathematics Process Standards for Grades 6-8 and
Content Standards for Grade 8

NEVADA MATHEMATICS STANDARD GRADE 8	PAGE(S) WHERE TAUGHT (If submission is not a book, cite appropriate location(s))
5.8.2 I/S	
Select and apply appropriate measures of data distribution, using interquartile range and central tendency.	SE/TE: 412, 413 (Example 2, Quick Check 2), 414 (#4-5), 415 (#7-12), 416 (#22), 417 (Activity #1-2, 6, Exercises #1-4), 418 (Check Skills You'll Need #2-3), 419 (Example 2, Quick Check 2), 420 (#3, 6-7), 421 (#13-15, 22), 432 (Checkpoint Quiz 1 #1-4), 433 (Check Skills You'll Need #2-4), 434, 435 (Example 2, Quick Check 2, #5-6), 436 (#10, 12-13), 437 (#19-20), 438 (Check Skills You'll Need #2-4), 441 (#10-12, 17), 462 (#5-7), 463 (#10-11), 464 (#1-2, 6), 465 (#1, 3, 14), 593 (#1), 594 (#24), 620 (#1-2, 7)
	TR: Print Resources: 9-1, 9-2, 9-5, 9-6; Daily Notetaking Guide: 9-1, 9-2, 9-5, 9-6; Adapted Daily Notetaking Guide: 9-1, 9-2, 9-5, 9-6
	TECH: Calculators; Transparencies: 9-1, 9-2, 9-5, 9-6; Interactive Textbook Online: 9-1, 9-2, 9-5, 9-6; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
5.8.3 E/S	
Evaluate statistical arguments that are based on data analysis for accuracy and validity.	<i>Opportunities to address this standard can be found on the following pages:</i> SE/TE: 427, 428-429
	TR: Print Resources: 9-4; Daily Notetaking Guide: 9-4; Adapted Daily Notetaking Guide: 9-4
	TECH: Calculators; Transparencies: 9-4; Interactive Textbook Online: 9-4; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
5.8.4 I/S	
Find the number of combinations possible in mathematical and practical situations.	SE/TE: 496-497, 498 (#5-20), 499 (#23-24), 501 (Teams), 502 (#4-6, 8), 505 (#15), 506 (#27), 507 (#7), 521 (#24-27), 622 (#21-25), 623 (#36)
	TR: Print Resources: 10-6; Daily Notetaking Guide: 10-6; Adapted Daily Notetaking Guide: 10-6
	TECH: Calculators; Transparencies: 10-6; Interactive Textbook Online: 10-6; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775

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Content Standards for Grade 8

NEVADA MATHEMATICS STANDARD GRADE 8	PAGE(S) WHERE TAUGHT (If submission is not a book, cite appropriate location(s))
Distinguish between permutations and combinations.	SE/TE: 498 (#2-4, 21-22)
	TR: Print Resources: 10-6; Daily Notetaking Guide: 10-6; Adapted Daily Notetaking Guide: 10-6
	TECH: Calculators; Transparencies: 10-6; Interactive Textbook Online: 10-6; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
5.8.5 I/S	
Differentiate between the probability of an event and the odds of an event.	SE/TE: 472 (#12-13)
	TR: Print Resources: 10-1; Daily Notetaking Guide: 10-1; Adapted Daily Notetaking Guide: 10-1
	TECH: Calculators; Transparencies: 10-1; Interactive Textbook Online: 10-1; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775
5.8.6 I/S	
Formulate reasonable inferences and predictions through interpolation and extrapolation of data to solve practical problems.	SE/TE: 445 (Example 2), 446 (#9), 447 (#13c-13d, 15)
	TR: Print Resources: 9-7; Daily Notetaking Guide: 9-7; Adapted Daily Notetaking Guide: 9-7
	TECH: Calculators; Transparencies: 9-7; Interactive Textbook Online: 9-7; Student Express CD-ROM; Teacher Express CD-ROM; PHSchool.com: web code ase-0775