



Algebra

Concepts and Applications

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STANDARDS	PAGE REFERENCES
<p>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:</p>	
<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 	
<ul style="list-style-type: none"> • Generalize solutions and apply previous knowledge to new problem solving situations 	<p>Student Edition: 4-7, 8-13, 24-29, 32-37, 48-49, 90-91, 136-137, 184-185, 234-235, 280-281, 332-333, 378-379, 416-417, 454-455. 500-501, 546-547, 596-597, 634-635, 680-681</p> <p>Teacher Wraparound Edition: ICE 5-6, 9-10, 25-26, 33-34</p>
<ul style="list-style-type: none"> • Determine an efficient strategy, verify, interpret, and evaluate the results with respect to the original problem 	<p>Student Edition: 24-29, 32-37, 48-49, 90-91, 136-137, 184-185, 234-235, 280-281, 332-333, 378-379, 416-417, 454-455. 500-501, 546-547, 596-597, 634-635, 680-681</p> <p><i>Graphing Calculator Exploration</i> 26 <i>Hands-On Algebra</i> 25</p> <p>Teacher Wraparound Edition: ICE 25-26, 33-34</p>

STANDARDS	PAGE REFERENCES
<ul style="list-style-type: none"> Apply problem solving strategies until a solution is found or it is clear that no solution exists 	<p>Student Edition: 24-29, 32-37, 45, 48-49, 90-91, 136-137, 184-185, 234-235, 280-281, 332-333, 378-379, 416-417, 454-455. 500-501, 546-547, 596-597, 634-635, 680-681</p> <p>Teacher Wraparound Edition: ICE 25-26, 33-34; TT 25, 26</p>
<ul style="list-style-type: none"> Interpret and solve a variety of mathematical problems by paraphrasing 	<p>Student Edition: 4-7, 14-18, 24-29, 32-37, 44, 48-49, 90-91, 136-137, 184-185, 234-235, 280-281, 332-333, 378-379, 416-417</p> <p><i>Hands-On Algebra</i> 25</p> <p>Teacher Wraparound Edition: 5MC 8, 19; ICE 5-6, 15-16, 33-34; MTL 4; TT 15</p>
<ul style="list-style-type: none"> Identify necessary and extraneous information 	<p>Student Edition: 484-487, 625-629, 632, 633, 721</p> <p>Teacher Wraparound Edition: EC 629; OEA 629; TT 487</p>
<ul style="list-style-type: none"> Check the reasonableness of a solution 	<p>Student Edition: 24-29, 32-37, 289 #29, 484-487, 625-629, 632, 633, 721, 760</p> <p>Teacher Wraparound Edition: EC 629; ICE 25-26; OEA 629; TT 25, 487</p>
<ul style="list-style-type: none"> Apply technology as a tool in problem solving situations 	<p>Student Edition: 26, 105, 167, 204, 272, 317, 338-339, 421, 491, 551, 588, 625, 638-639</p> <p><i>Graphing Calculator Exploration</i> 26, 105, 167, 204, 272, 317, 338-339, 421, 491, 551, 588, 625, 638-639</p> <p>Teacher Wraparound Edition: GCE 26, 105, 167, 214, 272, 317, 338, 421, 551, 639</p>
<ul style="list-style-type: none"> Apply combinations of proven strategies and previous knowledge to solve non-routine problems 	<p>Student Edition: 24-29, 32-37, 44-45, 48-49, 90-91, 136-137, 184-185, 234-235, 280-281, 332-333, 378-379, 416-417, 454-455. 500-501, 546-547, 596-597, 634-635, 680-681</p> <p><i>Graphing Calculator Exploration</i> 26</p> <p><i>Hands-On Algebra</i> 25</p> <p>Teacher Wraparound Edition: 5MC 32; GCE 26; HOA 25; ICE 33-34</p>

STANDARDS	PAGE REFERENCES
<p>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:</p>	
<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 • Use mathematical notation to communicate and explain problems 	
<ul style="list-style-type: none"> • Use a variety of techniques to solve mathematical problems 	<p>Student Edition: 4-7, 24-29, 32-37, 48-49, 90-91, 136-137, 290-295, 296-301, 310-315, 332-333, 378-379, 416-417, 454-455. 500-501, 546-547, 596-597, 634-635, 680-681</p> <p><i>Graphing Calculator Exploration</i> 26 <i>Hands-On Algebra</i> 25</p> <p>Teacher Wraparound Edition: ICE 5-6, 25-26, 311-312</p>
<ul style="list-style-type: none"> • Evaluate written and oral presentations in mathematics 	<p>Student Edition: 4-7, 8-13, 14-18, 19-23, 44-45, 48-49, 692-693, 724, 733-734</p> <p>Teacher Wraparound Edition: 5MC 8, 14, 19, 24; EC 7, 18; ICE 5-6, 9-10, 15-16, 19-21; MTL 4</p>
<ul style="list-style-type: none"> • Model and explain mathematical relationships using oral, written, graphic, and algebraic methods 	<p>Student Edition: 4-7, 8-13, 24-29, 32-37, 290-295, 296-301, 310-315</p> <p>Teacher Wraparound Edition: 5MC 8, 14, 296, 302; EC 7; ICE 5-6, 9-10, 25-26, 33-34, 291-292, 297-298; MTL 4; OEA 13, 18; TT 8</p>
<ul style="list-style-type: none"> • Communicate and evaluate mathematical thinking based on the use of definitions, properties, rules, and symbols in problem solving 	<p>Student Edition: 4-7, 8-13, 14-18, 19-23, 44-45, 48-49, 692-693</p> <p>Teacher Wraparound Edition: 5MC 8, 14, 19, 24; EC 13, 18; ICE 5-6, 9-10, 15-16, 19-21; MTL 4, 14; OEA 13; TT 14, 15</p>
<ul style="list-style-type: none"> • Use everyday language, both orally and in writing, communicate strategies and solutions to problems using appropriate mathematical language 	<p>Student Edition: 4-7, 8-13, 14-18, 19-23, 24-29, 32-37, 310-315</p> <p>Teacher Wraparound Edition: 5MC 8, 14, 19, 24, 32; EA 314; EC 18; ICE 5-6, 9-10, 15-16, 19-21, 25-26, 33-34, 311-312; MTL 4, 14; TT 14, 15</p>

STANDARDS	PAGE REFERENCES
<p>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:</p>	
<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 	
<ul style="list-style-type: none"> • Recognize and apply deductive and inductive reasoning 	<p>Student Edition: 30-31, 48-49, <i>Chapter 1 Investigation</i> 30-31</p> <p>Teacher Wraparound Edition: MTL 30; RA 27; TT 31</p>
<ul style="list-style-type: none"> • Review and refine the assumptions and steps used to derive conclusions in mathematical arguments 	<p>Student Edition: 8-13, 14-18, 24-29, 90, 136, 184, 234, 280, 332, 378, 416, 454, 500, 546, 596, 634, 680, 732, 733-734, 737-738, 741-742</p> <p><i>Graphing Calculator Exploration</i> 26 <i>Hands-On Algebra</i> 25</p> <p>Teacher Wraparound Edition: 5MC 14, 19; GCE 26; HOA 25; ICE 9-10, 15-16; OEA 18; TT 15, 16</p>
<ul style="list-style-type: none"> • Make and test conjectures about algebraic and geometric properties based on mathematical principles 	<p>Student Edition: 15, 21, 25-27, 256-261, 262-263, 270-275, 308-309, 316-321, 464-467, 468-473</p> <p><i>Chapter 6 Investigation</i> 262-263 <i>Chapter 7 Investigation</i> 308-309 <i>Graphing Calculator Exploration</i> 26, 272, 317, 471 <i>Hands-On Algebra</i> 25</p> <p>Teacher Wraparound Edition: 5MC 19, 24; GCE 26, 272, 317, 470; HOA 25; ICE 21</p>
<ul style="list-style-type: none"> • Justify the validity of an argument 	<p>Student Edition: 14-19</p> <p>Teacher Wraparound Edition: EC 18; ICE 15-16; TT 15</p>
<ul style="list-style-type: none"> • Construct a valid argument 	<p>Student Edition: 14-19</p> <p>Teacher Wraparound Edition: EC 18; ICE 15; TT 15</p>

STANDARDS	PAGE REFERENCES
<p>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:</p>	
<ul style="list-style-type: none"> • Link new concepts to prior knowledge • 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 	
<ul style="list-style-type: none"> • Use mathematical ideas from one area of mathematics to explain an idea from another area of mathematics 	<p>Student Edition: 25, 48-49, 90-91, 137-138, 184-185, 332-333, 378-379, 416-417, 454-455, 500-501, 546-547, 596-597, 634-635, 725, 726, 727, 728, 729, 730, 731 <i>Hands-On Algebra 25</i></p> <p>Teacher Wraparound Edition: HOA 25</p>
<ul style="list-style-type: none"> • Explain the relationship between concepts and procedures 	<p>Student Edition: 24-29</p>
<ul style="list-style-type: none"> • Use the connections among mathematical topics to develop multiple approaches to problems 	<p>Student Edition: 24-29, 48-49, 90-91, 136-137, 184-185, 234-235, 280-281, 284-289, 290-294, 310-315, 332-333, 378-379, 416-417, 454-455. 500-501, 546-547, 596-597, 634-635, 680-681</p> <p>Teacher Wraparound Edition: ICE 285-286, 291-292, 311-312; OEA 315</p>
<ul style="list-style-type: none"> • Apply mathematical thinking and modeling to solve problems that arise in other disciplines, such as rhythm in music and motion in science 	<p>Student Edition: 24-29, 32-37, 48-49, 90-91, 136-137, 184-185, 234-235, 280-281, 332-333, 351-356, 364 #35, 377, 378-379, 416-417, 454-455. 500-501, 546-547, 596-597, 634-635, 680-681, 724-731</p> <p>Teacher Wraparound Edition: ICE 25-26, 33-34</p>
<ul style="list-style-type: none"> • Identify, explain, and apply mathematics in everyday life 	<p>Student Edition: 24-29, 32-37, 48-49, 90-91, 136-137, 184-185, 234-235, 280-281, 332-333, 378-379, 416-417, 454-455. 500-501, 546-547, 596-597, 634-635, 680-681, 724, 725, 726, 727, 728, 729, 730, 731</p>

STANDARDS	PAGE REFERENCES
Grade 12	
1.0 Numbers, Number Sense, and Computation	
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:	
<p>1.12.6 Determine an approximate value of radical and exponential expressions using a variety of methods.</p>	<p>Student Edition: 336-340, 341-345, 346, 347-351, 352-356, 357-361, 362-366, 367-371, 374-376, 377, 707-709 <i>Math in the Workplace</i> 346</p> <p>Teacher Wraparound Edition: 5MC 341, 347, 352, 366; ICE 337-338, 342-343, 348-349, 353-354, 357-359, 367-368</p>
<p>1.12.7 Solve mathematical problems involving exponents and roots.</p>	<p>Student Edition: 336-340, 341-345, 346, 347-351, 352-356, 357-361, 362-366, 367-371, 374-376, 377, 707-709 <i>Math in the Workplace</i> 346</p> <p>Teacher Wraparound Edition: 5MC 341, 347, 352, 366; ICE 337-338, 342-343, 348-349, 353-354, 357-359, 367-368</p>
<p>Perform addition, subtraction, and scalar multiplication on matrices.</p>	<p>Student Edition: 80-81, 578-579 <i>Chapter 2 Investigation</i> 80-81 <i>Chapter 13 Investigation</i> 578-579</p> <p>Teacher Wraparound Edition: FA 579; MTL 80, 578; TT 81, 579</p>
<p>1.12.8 Identify and apply real number properties to solve problems.</p>	<p>Student Edition: 8-13, 14-18, 19-23, 45, 692</p> <p>Teacher Wraparound Edition: 5MC 14, 19; EC 13, 18; ICE 9-10, 15-16, 19-21; MTL 8, 14, 19; OEA 13, 18; TT 8, 9, 14, 15, 16</p>

STANDARDS	PAGE REFERENCES
2.0 Patterns, Functions, and Algebra	
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:	
<p>2.12.1 Use algebraic expressions to identify and describe the n^{th} term of a sequence.</p>	<p>Student Edition: 110-111, 315, 494-495, 501 #5 <i>Chapter 3 Investigation</i> 110-111 <i>Chapter 11 Investigation</i> 494-495 Teacher Wraparound Edition: MTL 110, 494; TT 111, 495</p>
<p>2.12.2 Isolate any variable in given equations, inequalities, proportions, and formulas to use in mathematical and practical situations.</p>	<p>Student Edition: 117-121, 122-127, 128-131, 160-164, 165-170, 171-175, 181-182, 188-193, 204-209, 212-217, 296-301 Teacher Wraparound Edition: CTBQ 135; EC 127; ICE 118, 123-125, 128-130, 161-162, 165-166, 171-172, 177, 297-298</p>
<p>2.12.3 Add, subtract, multiply, and factor 1^{st} and 2^{nd} degree polynomials connecting the arithmetic and algebraic processes.</p>	<p>Student Edition: 388-393, 394-398, 399-404, 405-409, 413-414, 415, 500-501, 710-711 <i>Hands-On Algebra</i> 388-389, 400 Teacher Wraparound Edition: 5MC 394, 399, 405, 420; EC 393, 398, 404, 409; HOA 389, 400; ICE 389-391, 394-396, 400-402, 406-407</p>
<p>Simplify algebraic expressions, including exponents and radicals.</p>	<p>Student Edition: 67-69, 73, 77-78, 87-88, 89, 143-144, 180, 183, 235, 341-345, 348-351, 375, 377, 387 #67-#68, 449, 617-619, 631 Teacher Wraparound Edition: 5MC 347, 352; ICE 67, 77, 143, 342-344</p>
<p>2.12.4 Determine the domain and range of functions, including linear, quadratic, and absolute value, algebraically and graphically.</p>	<p>Student Edition: 238-243, 244-249, 255, 256-261, 276-277, 279, 285, 289 #29, 295, 302-303, 304-307, 308-309, 703, 726 #1 <i>Chapter 7 Investigation</i> 308-309 Teacher Wraparound Edition: 5MC 244, 250; EA 241; EC 243, 284; ICE 239-240, 245-247, 257-258, 304; OEA 243</p>

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Solve absolute value equations and inequalities both algebraically and graphically.	Student Edition: 128-131, 134, 135, 145, 193 #64, 530-534, 698, 717, 725 #6, 729 #6 Teacher Wraparound Edition: 5MC 535; CTBQ 135; EA 130; EC 131, 534; ICE 128-130, 531-532; OEA 131; RA 130
2.12.5 Solve systems of two linear equations algebraically and graphically and verify solutions (with and without technology).	Student Edition: 550-553, 554-559, 560-565, 566-571, 572-577, 590, 592-594, 595, 634-635, 718-719, 730 <i>Graphing Calculator Exploration</i> 551 Teacher Wraparound Edition: 5MC 554, 560, 566, 572, 600; ICE 550-552, 555-557, 561-563, 567-569, 572-575
2.12.6 Solve mathematical and practical problems involving linear and quadratic equations with a variety of methods, including discrete methods (with and without technology).	Student Edition: 244-249, 250-255, 264-269, 290-295, 296-301, 308-309, 310-315, 316-321, 322-327, 328-330, 331, 338-339, 474-477, 482, 487, 497, 499, 705-707, 714, 727 <i>Graphing Calculator Exploration</i> 338-339
3.0 Measurement	
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:	
3.12.1 Estimate and convert between customary and metric systems.	Student Edition: 49 #10, 164 #39 & #47, 190-192, 217 #42-#43, 233 #13, 301 #53, 529 #71, 701, 743 #1, 744 #16 Teacher Wraparound Edition: ICE 190 Ex 4, 191 Ex 6; TT 190, 192
3.12.2 Justify, communicate, and differentiate between precision, error, and tolerance in practical problems.	Student Edition: 532, 534 #44
3.12.3 Select and use appropriate measurement tools, techniques, and formulas to solve problems in mathematical and practical situations.	Student Edition: 24-29, 37 #25, 110-111, 113, 115, 145 #58, 174 #36, 235 #1, 359, 361 #44, 365 #37-#38, 386 #15, 387 #56, 477 #32, 499, 654, <i>Chapter 3 Investigation</i> 110-111 <i>Graphing Calculator Exploration</i> 26 <i>Hands-On Algebra</i> 25 Teacher Wraparound Edition: GCE 25; HOA 25; ICE 25-26; OEA 29

STANDARDS	PAGE REFERENCES
<p>3.12.4</p> <p>Interpret and apply consumer data presented in charts, tables, and graphs to make informed financial decisions related to practical applications.</p>	<p>Student Edition: 24-29, 45 #32, 104-109, 137 #1, 212-217, 218, 223 #25, 285, 317, 490-491 <i>Graphing Calculator Exploration</i> 214 <i>Math in the Workplace</i> 218</p> <p>Teacher Wraparound Edition: 5MC 117; GCE 214; ICE 25-26, 212-215, 317; MTL 171; TT 25, 285</p>
<p>3.12.5</p> <p>Determine the measure of unknown dimensions, angles, areas, and volumes using relationships and formulas to solve problems.</p>	<p>Student Edition: 25-29, 109 #32, 115 #38, 345, 386 #15, 387 #56, 482 #43, 511, 546-547, 635, 736, 739-740, 743-744 <i>Graphing Calculator Exploration</i> 26 <i>Hands-On Algebra</i> 25, 511</p> <p>Teacher Wraparound Edition: 5MC 24; CTBQ 89; GCE 26; HOA 25, 511</p>
<p>4.0 Spatial Relationships, Geometry, and Logic</p>	
<p>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.</p> <p>At a minimum, students will maintain previous skills and attain the following:</p>	
<p>4.12.1</p> <p>Identify and use the parts of a circle to solve mathematical and practical problems.</p>	<p>Student Edition: 198-203, 340 #43, 345 #48, 361 #54, 404 #65, 417 #7, 482 #44, 487 #32, 596-597, 604 #56, 681 #10, 727 #5</p> <p>Teacher Wraparound Edition: 5MC 204, 238; EC 203; ICE 200</p>
<p>Identify and apply properties of interior and exterior angles of polygons to solve mathematical and practical problems.</p>	<p>Student Edition: 546-547, 736, 739-740, 743</p> <p>Teacher Wraparound Edition: EC 203</p>
<p>4.12.2</p> <p>Apply properties of similarity through right triangle trigonometry to find missing angles and sides.</p>	<p>Student Edition: 63 #37, 69 #61, 77-79, 88 #62, 546-547, 635 #4, 736 #10-#11, 739-740, 743</p> <p>Teacher Wraparound Edition: EC 79; ICE 77; MTL 284</p>

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<p>4.12.5 Determine the slope of lines using coordinate geometry and algebraic techniques.</p>	<p>Student Edition: 284-289, 290-295, 296-301, 308-309, 310-315, 316-321, 322-327, 705-706, 739 #6 <i>Investigation</i> 308-309</p> <p>Teacher Wraparound Edition: 5MC 290, 296, 302, 322, 336; EC 289, 301; ICE 285-286, 291-292, 297-298, 311-313, 317-318</p>
<p>Identify parallel, perpendicular, and intersecting lines by slope.</p>	<p>Student Edition: 316-321, 322-327, 330, 331, 387 #69, 508 #50, 707, 729 <i>Graphing Calculator Exploration</i> 317 <i>Hands-On Algebra</i> 324</p> <p>Teacher Wraparound Edition: 5MC 322, 336 #4; EA 325; GCE 317; HOA 324; ICE 317-318, 323-325; MTL 322; RA 325; TT 324, 325</p>
<p>Graph linear equations and find possible solutions to those equations using coordinate geometry.</p>	<p>Student Edition: 250-255, 310-315, 316-321, 322-327, 329-330, 331, 550-553, 706-707 <i>Graphing Calculator Exploration</i> 317, 551</p> <p>Teacher Wraparound Edition: 5MC 256, 322; EA 314; GCE 317, 551; ICE 311-313, 317-318, 323-325, 550-552; MTL 311; OEA 315; TT 311</p>
<p>Find possible solution sets of systems of equations whose slopes indicate parallel, perpendicular, or intersecting lines.</p>	<p>Student Edition: 550-553, 554-559, 560-565, 566-571, 572-577, 590, 592-594, 595, 634-635, 718-719, 730 <i>Graphing Calculator Exploration</i> 551</p> <p>Teacher Wraparound Edition: 5MC 554, 560, 566, 572, 600; ICE 550-552, 555-557, 561-563, 567-569, 572-575</p>
<p>4.12.6 Solve problems using complementary and supplementary angles, congruent angles, vertical angles, angles formed when parallel lines are cut by a transversal and angles in polygons.</p>	<p>Student Edition: 179 #34, 255 #41, 517 #35, 546-547, 736</p>

STANDARDS	PAGE REFERENCES
<p>4.12.7 Apply the Pythagorean Theorem and its converse in mathematical and practical situations.</p>	<p>Student Edition: 366-371, 372-373, 376, 377, 378-379, 606-607, 680-681, 709, 727, 736 #11 <i>Chapter 8 Investigation</i> 372-373 <i>Hands-On Algebra</i> 606 Teacher Wraparound Edition: 5MC 382; EA 369; EC 371; FA 368; HOA 607; ICE 367-368; MTL 366, 372; OEA 371; RA 369</p>
<p>4.12.8 Solve problems by drawing and/or constructing geometric figures to demonstrate geometric relationships.</p>	<p>Student Edition: 63 #37, 88, 110-111, 164 #48, 179 #33, 198-203, 323-324, 327 #40, 370-371, 372-373, 414, 477 #33, 482, 511, 547 #10 <i>Chapter 3 Investigation</i> 110-111 <i>Chapter 8 Investigation</i> 372-373 <i>Hands-On Algebra</i> 324, 511 Teacher Wraparound Edition: CTBQ 89; EC 179; HOA 324, 511; ICE 199-200, 323; MTL 199, 620</p>
<p>4.12.9 Formulate, evaluate, and justify arguments using inductive and deductive reasoning in mathematical and practical situations.</p>	<p>Student Edition: 30-31, 546-547 <i>Chapter 1 Investigation</i> 30-31 Teacher Wraparound Edition: MTL 30; TT 31</p>
<p>5.0 Data Analysis</p>	
<p>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:</p>	
<p>5.12.1 Organize statistical data through the use of tables, graphs, and matrices (with and without technology).</p>	<p>Student Edition: 32-37, 38-43, 200-201, 210-211, 224-229, 232, 302-307, 308-309, 329, 623, 693-694, 702-703 <i>Chapter 5 Investigation</i> 210-211 <i>Chapter 7 Investigation</i> 308-309 <i>Hands-On Algebra</i> 224 Teacher Wraparound Edition: 5MC 38; EC 43; ICE 33-34, 39-41, 200, 303-304; OEA 37</p>

STANDARDS	PAGE REFERENCES
<p>5.12.2 Select and apply appropriate statistical measures in mathematical and practical situations.</p>	<p>Student Edition: 38-43, 200-201, 210-211, 224-229, 232, 302-307, 308-309, 329, 623, 693-694, 702-703 <i>Chapter 5 Investigation</i> 210-211 <i>Chapter 7 Investigation</i> 308-309 <i>Hands-On Algebra</i> 224 Teacher Wraparound Edition: 5MC 52; EC 43; ICE 33-34, 39-41, 200, 303-304; MTL 38; OEA 43</p>
<p>5.12.3 Distinguish between a sample and a census.</p>	<p>Student Edition: 32-37</p>
<p>Identify sources of bias and their effect on data representations and statistical conclusions.</p>	<p>Student Edition: 32-37, 38-43 Teacher Wraparound Edition: 5MC 38; EA 35; ICE 33-34; MTL 32; TT 33</p>
<p>Use the shape of a normal distribution to compare and analyze data from a sample.</p>	<p>See Glencoe's <i>Advanced Mathematical Concepts</i> © 2006. Student Edition: 918-925.</p>
<p>5.12.4 Apply permutations and combinations to mathematical and practical situations, including the Fundamental Counting Principle.</p>	<p>Student Edition: 26, 146-151, 152-153, 181, 183, 280-281, 699, 725 #2 <i>Chapter 4 Investigation</i> 152-153 Teacher Wraparound Edition: 5MC 154; CTBQ 183, 233; EA 148; EC 151; ICE 147-148; MTL 146, 152 OEA 151; RA 148; TT 148, 153</p>
<p>5.12.5 Determine the probability of an event with and without replacement using sample spaces.</p>	<p>Student Edition: 219-223, 224-229, 232, 280-281, 702-703 <i>Hands-On Algebra</i> 220, 224 <i>Reading Algebra</i> 219 Teacher Wraparound Edition: 5MC 224, 238; EA 228; EC 223, 229; HOA 220, 225; ICE 220-221, 225-227; IS 221; MTL 219, 224; OEA 223, 229; TT 219, 225</p>

STANDARDS	PAGE REFERENCES
<p>Design, conduct, analyze, and effectively communicate the results of multi-stage probability experiments.</p>	<p>Student Edition: 219-223, 224-229, 232, 280-281, 702-703 <i>Hands-On Algebra</i> 220, 224 <i>Reading Algebra</i> 219</p> <p>Teacher Wraparound Edition: 5MC 224, 238; EA 228; EC 223, 229; ICE 220-221, 225-227; MTL 219, 224; OEA 223, 229; TT 219, 225</p>
<p>5.12.6 Design, construct, analyze, and select an appropriate type of graphical representation to communicate the results of a statistical experiment.</p>	<p>Student Edition: 32-37, 38-43, 200-201, 210-211, 224-229, 232, 302-307, 308-309, 329, 623, 693-694, 702-703 <i>Chapter 5 Investigation</i> 210-211 <i>Chapter 7 Investigation</i> 308-309 <i>Hands-On Algebra</i> 224</p> <p>Teacher Wraparound Edition: 5MC 38; EC 43; ICE 33-34, 39-41, 200, 303-304; OEA 37</p>
<p>Formulate and justify inferences based on a valid data sample.</p>	<p>Student Edition: 32-37, 38-43, 693</p> <p>Teacher Wraparound Edition: 5MC 38, 52; EC 37, 43; FA 36; ICE 33-34, 39-46; MTL 32; OEA 43; TT 33</p>