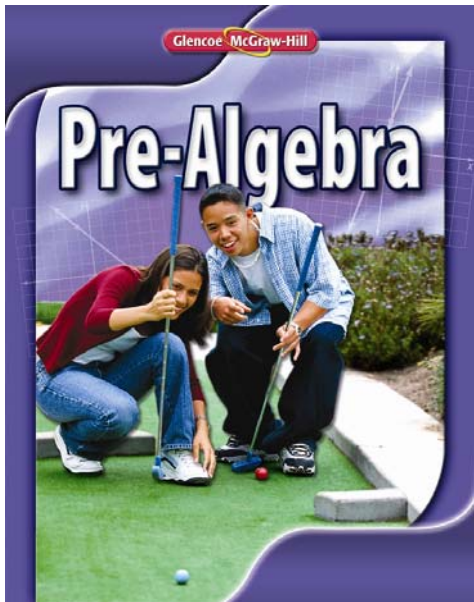




Glencoe

Core Curriculum
Mathematics
Middle School



Pre-Algebra

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STANDARDS	PAGE REFERENCES
<p>Number and Operation</p> <p>Understand, apply, and be computationally fluent with multiplication and division of fractions and decimals</p>	<p>Student Edition: 134-139, 141-146 <i>Algebra Lab</i> 119-120 <i>Check Your Understanding</i> 136 #1-#14, 144 #1-#13 <i>H.O.T. Problems</i> 138 #52-#58, 145 #42-#46 <i>Key Concept</i> 134, 141, 142 <i>Mid-Chapter Quiz</i> 140 #17-#30 <i>Practice Test</i> 163 #25-#30 <i>Real-World Example</i> 136 <i>Standardized Test Practice</i> 167 #13 <i>Study Guide and Review</i> 161 #37-#51 <i>Study Tip</i> 120, 135, 138, 142 <i>Test-Taking Tip</i> 143</p> <p>Teacher Edition: A 120, 139, 146; AE 135, 136, 142, 143; DI 136, 137, 139, 142, 144, 146; F 119, 134, 141; FA 140; FMC 136; T 119, 134, 141; TNT 137, 144; TWT 143</p>

STANDARDS	PAGE REFERENCES
<p>Understand, apply, and be computationally fluent with rational numbers, including negative numbers</p>	<p>Student Edition: 128-133 <i>Check Your Understanding</i> 130 #1-#10 <i>Concept Summary</i> 130 <i>H.O.T. Problems</i> 132 #56-#60 <i>Mid-Chapter Quiz</i> 140 #11-#16 <i>Practice Test</i> 111 #5-#12, #13, #14-#21, #22, #23-#26, 163 #5-#13 <i>Reading Math</i> 129, 130 <i>Study Guide and Review</i> 160 #24-#36 <i>Study Tip</i> 129</p> <p>Teacher Edition: A 133; AE 129, 130; DI 129, 131, 133; FMC 130, 131; T 128; TWT 130</p>
<p>Understand and apply ratio and rate, including percents, and connect ratio and rate to fractions and decimals</p>	<p>Student Edition: 265-269, 270-274, 331-336, 337-342 <i>Algebra Lab</i> 343-344 <i>Check Your Understanding</i> 266 #1-#9, 272 #1-#8, 334 #1-#10, 340 #1-#9 <i>Concept Summary</i> 339 <i>H.O.T. Problems</i> 268 #33-#38, 273 #26-#30, 335 #45-#50, 341 #43-#47 <i>Key Concept</i> 265, 331, 337 <i>Mid-Chapter Quiz</i> 286 #1-#3, #4-#6, #7-#9 <i>Real-World Example</i> 266, 271, 333, 339 <i>Study Tip</i> 271, 333, 337, 338</p> <p>Teacher Edition: A 269, 274, 342; AE 266, 271, 332, 333, 338, 339; DI 266, 267, 269, 271, 274, 332, 333, 339, 342; FMC 266, 333, 339; T 265, 270, 331, 337; TNT 267, 269, 274, 340; TWT 267, 274, 333</p>

STANDARDS	PAGE REFERENCES
Understand and apply proportional reasoning	<p>Student Edition: 287-292, 345-350 <i>Check Your Understanding</i> 290 #1-#8, 347 #1-#7 <i>H.O.T. Problems</i> 291 #38-#43, 349 #36-#42 <i>Key Concept</i> 287, 345 <i>Practice Test</i> 387 #14-#17 <i>Real-World Example</i> 288, 347 <i>Study Guide and Review</i> 383 #35-#38 <i>Study Tip</i> 346</p> <p>Teacher Edition: A 292, 350; AE 288, 289, 346; DI 288, 292, 346, 350; FMC 288, 346; T 287, 345; TNT 288, 348; TWT 289, 347</p>
Understand, estimate, and represent real numbers, including common irrational numbers and use of scientific notation	<p>Student Edition: 493-498, 543-548 <i>Check Your Understanding</i> 495 #1-#9, 546 #1-#13 <i>H.O.T. Problems</i> 497 #43-#47, 547 #53-#59 <i>Key Concept</i> 493, 543 <i>Real-World Example</i> 494, 495, 545 <i>Study Tip</i> 493, 494, 544, 545</p> <p>Teacher Edition: A 498, 548; AE 494, 495, 544, 545; DI 494, 498, 544; FMC 495, 545; T 543; TNT 495; TWT 494, 545; WO 496</p>
Algebra	
Write, interpret, and use mathematical expressions, find equivalent forms, and relate such symbolic representations to verbal and tabular representations	<p>Student Edition: 171-175, 178-183 <i>Algebra Lab</i> 177 <i>Check Your Understanding</i> 173 #1-#9, 180 #1-#14 <i>H.O.T. Problems</i> 175 #55-#58, 182 #54-#59 <i>Key Concept</i> 171 <i>Real-World Example</i> 172, 180 <i>Vocabulary Link</i> 172</p> <p>Teacher Edition: A 176, 183; AE 172, 173, 179, 180; DI 172, 176, 179, 183; FMC 174, 181; T 178; TNT 173, 174; TWT 173, 179; WO 180</p>

STANDARDS	PAGE REFERENCES
Understand and apply proportionality	<p>Student Edition: 287-292, 294-300, 345-350 <i>Check Your Understanding</i> 290 #1-#8, 297 #1-#3, 347 #1-#7 <i>H.O.T. Problems</i> 291 #38-#43, 298 #19-#24, 349 #36-#42 <i>Key Concept</i> 287, 345 <i>Practice Test</i> 387 #14-#17 <i>Real-World Example</i> 288, 294, 295, 296, 347 <i>Study Guide and Review</i> 383 #35-#38 <i>Study Tip</i> 346</p> <p>Teacher Edition: A 292, 350; AE 288, 289, 295, 296, 346; DI 288, 292, 295, 299, 346, 350; FMC 288, 296, 346; T 287, 345; TNT 288, 295, 296, 348; TWT 289, 347</p>
Understand, solve, and apply linear equations and inequalities	<p>Student Edition: 199-204, 205-209, 234-239, 241-247 <i>Check Your Understanding</i> 202 #1-#13, 207 #1-#6, 237 #1-#11, 244 #1-#10 <i>Concept Summary</i> 235 <i>H.O.T. Problems</i> 203 #43-#47, 208 #20-#24, 238 #39-#43, 246 #67-#72 <i>Practice Test</i> 213 #12-#17, #18-#23, #24, #25-#27, #28-#31, #32, #33 <i>Problem-Solving Tip</i> 201 <i>Reading Math</i> 235 <i>Real-World Example</i> 206 <i>Study Guide and Review</i> 212 #37-#43, #44-#46 <i>Study Tip</i> 200, 206, 236, 242, 243, 244</p> <p>Teacher Edition: A 204, 209, 239, 247; AE 200, 201, 206, 235, 236, 242, 243, 244; DI 201, 204, 206, 233, 235, 242, 247; FMC 201, 207, 236, 244; TNT 200, 236, 242, 243, 244; TWT 201, 207, 243</p>

STANDARDS	PAGE REFERENCES
Understand and apply linear functions	<p>Student Edition: 406-411 <i>Check Your Understanding</i> 409 #1-#11 <i>H.O.T. Problems</i> 410 #37-#41 <i>Mid-Chapter Quiz</i> 425 #4 <i>Real-World Example</i> 407 <i>Study Guide and Review</i> 459 #17-#23 <i>Study Tip</i> 407, 408</p> <p>Teacher Edition: A 411; AE 407, 408; DI 407, 411; FMC 408; TNT 407, 408; TWT 409</p>
Use tables and graphs to analyze systems of linear equations	<p>Student Edition: 453-457 <i>Check Your Understanding</i> 455 #1-#7 <i>Concept Summary</i> 455 <i>H.O.T. Problems</i> 456 #23-#29 <i>Practice Test</i> 463 #17-#18 <i>Study Guide and Review</i> 462 #49-#53 <i>Study Tip</i> 454, 455 <i>Test-Taking Tip</i> 454</p> <p>Teacher Edition: A 457; AE 454, 455; DI 454, 457; T 453; TNT 457; TWT 456</p>
Geometry and Measurement	
Understand, determine, and apply area of polygons	<p>Student Edition: 221-226, 624-630 <i>Check Your Understanding</i> 223 #1, #3, 627 #1-#16 <i>H.O.T. Problems</i> 225 #25, #26a, #27-#28, 629 #35-#39 <i>Key Concept</i> 222, 624, 625, 626 <i>Practice Test</i> 655 #10-#12 <i>Real-World Example</i> 223, 626 <i>Spreadsheet Lab</i> 227 <i>Study Guide and Review</i> 653 #29-#31 <i>Study Tip</i> 222, 223, 625</p> <p>Teacher Edition: A 226, 630; AE 222, 223, 625, 626; DI 223, 226, 625, 630; FMC 223, 626; T 227; TNT 222, 223, 224, 626, 627; TWT 626</p>

STANDARDS	PAGE REFERENCES
<p>Understand and apply similarity, with connections to proportion</p>	<p>Student Edition: 301-306 <i>Check Your Understanding</i> 303 #1-#3 <i>H.O.T. Problems</i> 305 #16-#21 <i>Key Concept</i> 301 <i>Practice Test</i> 323 #13 <i>Real-World Example</i> 303 <i>Study Guide and Review</i> 321 #39-#41 <i>Study Tip</i> 302</p> <p>Teacher Edition: A 306; AE 302, 303; DI 302, 306; FMC 303; TNT 302, 303; TWT 303</p>
<p>Understand, determine, and apply surface areas and volume of prisms and cylinders and circumference and area of circles</p>	<p>Student Edition: 631-635, 636-641, 671-676, 677-681, 691-695, 696, 697-701 <i>Check Your Understanding</i> 633 #1-#6, 638 #1-#6, 673 #1-#5, 679 #1-#5, 693 #1-#4, 699 #1-#4 <i>Geometry Lab</i> 670, 690, 696 <i>H.O.T. Problems</i> 634 #25-#29, 640 #32-#36, 675 #28-#33, 680 #23-#26, 694 #18-#22, 700 #19-#21 <i>Key Concept</i> 636, 671, 677, 691, 697 <i>Math History Link</i> 632 <i>Real-World Example</i> 632, 637, 672, 678, 692, 698 <i>Study Tip</i> 632, 637, 638, 692, 698</p> <p>Teacher Edition: A 635, 641, 676, 681, 695, 701; AE 632, 633, 637, 638, 678, 679, 692, 698, 699; DI 632, 635, 638, 641, 672, 676, 678, 681, 692, 698, 701; FMC 637, 673, 679, 693, 699; TNT 638, 672, 674, 693, 698, 699; TWT 632, 638, 673, 678, 693, 699</p>

STANDARDS	PAGE REFERENCES
<p>Analyze two-dimensional space and figures by using distance, angle, coordinates, and transformations</p>	<p>Student Edition: 96-100, 101-106, 565-570, 611, 612-616, 617-622 <i>Check Your Understanding</i> 98 #1-#9, 104 #1-#2, 568 #1-#5, 614 #1-#5, 620 #1-#6 <i>Concept Summary</i> 566 <i>Geometry Lab</i> 611 <i>H.O.T. Problems</i> 99 #47-#50, 105 #18-#22, 569 #27-#31, 615 #26-#29, 621 #36, #39 <i>Key Concept</i> 101, 565, 612, 618 <i>Mid-Chapter Quiz</i> 623 #5, #9, #10, #11-#13, #14-#16 <i>Practice Test</i> 111 #28-#31, #32, #33, 655 #1-#2, #6, #7, #8-#9 <i>Reading Math</i> 102 <i>Real-World Example</i> 97, 566, 613, 619 <i>Study Guide and Review</i> 110 #54-#58, #59-#61, 652 #21-#23, 653 #24-#28 <i>Study Tip</i> 97, 102, 565, 567, 613 <i>Vocabulary Review</i> 103</p> <p>Teacher Edition: A 100, 106, 570, 616; AE 97-98 102-103, 566-567, 613, 618-619; DI 97, 100, 102, 106, 566, 570, 613, 616; FMC 103, 567, 613; T 96, 101, 565, 612, 617; TNT 100, 103, 567, 619; TWT 98, 102, 570</p>
<p>Visualize, represent, and describe three-dimensional shapes</p>	<p>Student Edition: 664-669 <i>Check Your Understanding</i> 667 #1-#6 <i>Concept Summary</i> 665 <i>H.O.T. Problems</i> 668 #22-#28 <i>Real-World Example</i> 666 <i>Study Guide and Review</i> 717 #9-#12, #13 <i>Study Tip</i> 666 <i>Vocabulary Link</i> 665</p> <p>Teacher Edition: A 669; AE 665, 666; DI 665, 669; FMC 666; T 664; TNT 667; TWT 667</p>

STANDARDS	PAGE REFERENCES
Data Analysis and Probability	
<p>Understand, interpret, determine, and apply measures of center and graphical representations of data</p>	<p>Student Edition: 730-735, 750-755, 756, 757-762, 763 <i>Algebra Lab</i> 729 <i>Check Your Understanding</i> 733 #1-#5, 752 #1-#2, 753 #3, 759 #1-#4 <i>Concept Summary</i> 731 <i>Graphing Technology Lab</i> 756, 763 <i>H.O.T. Problems</i> 734 #16-#21, 754 #13-#16, 761 #12-#16 <i>Key Concept</i> 730 <i>Mid-Chapter Quiz</i> 764 #1-#5, #8-#11 <i>Practice Test</i> 803 #1-#8 <i>Real-World Example</i> 730, 732, 751, 752, 758 <i>Study Guide and Review</i> 799 #9-#12, #13-#15, 800 #20, 801 #21-#22 <i>Study Tip</i> 751, 758</p> <p>Teacher Edition: A 729, 730, 755; AE 731-732, 751-752, 758-759; DI 732, 735, 752, 755, 759, 762; FMC 731, 732, 753; T 729, 750, 758; TNT 731, 732, 751, 753, 760; TWT 733</p>
<p>Understand and represent simple probabilistic situations</p>	<p>Student Edition: 771-776, 801, 803 <i>Check Your Understanding</i> 773 #1-#4 <i>Concept Summary</i> 771, 772 <i>H.O.T. Problems</i> 775 #17-#20 <i>Practice Test</i> 803 #14 <i>Real-World Example</i> 772, 773 <i>Study Guide and Review</i> 802 #29-#33</p> <p>Teacher Edition: A 776; AE 772-773; DI 770, 776; FMC 774; T 771; TNT 774; TWT 773</p>

STANDARDS	PAGE REFERENCES
<p>Use proportions and percentages to analyze data and chance</p>	<p>Student Edition: 765-770, 801, 803 <i>Check Your Understanding</i> 768 #1-#8 <i>H.O.T. Problems</i> 769 #22-#25 <i>Practice Test</i> 803 #9-#12, #13 <i>Reading Math</i> 766 <i>Real-World Example</i> 767 <i>Study Guide and Review</i> 801 #23-#26 <i>Study Tip</i> 767 <i>Vocabulary Review</i> 767</p> <p>Teacher Edition: A 770; AE 766-767; DI 766, 770; FMC 767; T 765; TNT 770; TWT 767</p>
<p>Analyze and summarize data sets, including initial analysis of variability</p>	<p>Student Edition: 729, 743-749, 764, 800, 803 <i>Algebra Lab</i> 729 <i>Check Your Understanding</i> 747 #1-#3 <i>H.O.T. Problems</i> 748 #12-#16 <i>Key Concept</i> 744 <i>Mid-Chapter Quiz</i> 764 #4, #5, #6 <i>Practice Test</i> 803 #5, #7 <i>Real-World Example</i> 746 <i>Study Guide and Review</i> 800 #16-#19 <i>Study Tip</i> 744</p> <p>Teacher Edition: A 729; AE 744-745; DI 744, 749; FMC 746; T 729, 743; TNT 747; TWT 745</p>
<p>Understand, compute, and estimate simple probabilities using counting strategies and simulation</p>	<p>Student Edition: 777-781, 782, 803 <i>Algebra Lab</i> 782 <i>Check Your Understanding</i> 779 #1-#5 <i>H.O.T. Problems</i> 780 #16-#20 <i>Key Concept</i> 777 <i>Practice Test</i> 803 #14 <i>Real-World Example</i> 778 <i>Study Guide and Review</i> 802 #29-#33 <i>Study Tip</i> 778</p> <p>Teacher Edition: A 781; AE 778-779; DI 778, 781; FMC 779; T 777</p>