Homework Overview

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| Grade 9 Review Homework 1 |
| Section | Suggested Homework Questions | Completed Questions | PLEASE EXPLAIN!!! |
| Operations with Integers | Pg. 16 #6-7 |  |  |
| Operations with Rational Numbers | Pg. 18 #5-6 |  |  |
| Evaluating Algebraic Expressions and Formulas | Pg. 20 #5-6 |  |  |
| Simplifying Algebraic Expressions | Pg. 22 #4,5 (alternating letters) |  |  |
| Solving Equations  | Pg. 24 #4-5 (alternating letters) |  |  |
| Graphing Linear Relationships | Pg. 26 #1,5 (alternating letters) |  |  |
| Slope and the Equation of a line | Pg. 28 #1, 6 (alternating letters) |  |  |
| Pythagorean Theorem | Pg. 31-32 #1,3 |  |  |
| Properties of Triangles | Pg. 34-34 #1,3 |  |  |
| Area and Perimeter | Pg. 39 #6 c,e,g |  |  |

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| Analytic Geometry Homework |
| Section | Suggested Homework Questions | Completed Questions | PLEASE EXPLAIN!!! |
| 1.1 Modelling with Linear Equations | Pg. 50 #2,4,10-20 |  |  |
| 1.3 Solving Linear Systems Graphically | Pg. 60-61 #1-3, 6-9, 14-16 |  |  |
| 1.3 Applications | Pg. 61-62 #11-13, 16, 19, 20, 22 |  |  |
| 1.5 Investigating the ways that two lines can intersect | Pg. 69-70 #1-5, 13,16, 18 |  |  |
| 1.8 Solving Linear Systems by Substitution | Pg. 92 #1-5, 8, 12 |  |  |
| 1.8 Applications | Pg. 93-94 #13-14,16-18,21-22 |  |  |
| 1.9 Solving Linear Systems by Elimination | Pg. 101-102 #1-6, 10-11 |  |  |
| 1.9 Applications | Pg. 103 #14-18 |  |  |
| Review | Chapter 1 Review Test (Pg. 137) Pg. 119-135 |  |  |
| Getting Ready – Chapter 2 | Pg. 142 #1-13 |  |  |
| 2.3 Distance on the Plane – Part I | Pg. 151-152 #2,5-8, 11-12,14-15 |  |  |
| 2.4 The Equation of a Circle  | Pg. 155-157 #1-3, 8-11 |  |  |
| 2.5 Distance on the Plane – Part II | Pg. 162-165 #1aei, 3, 7-9, 12-14 |  |  |
| 2.7 Finding the Midpoint of a Line Segment | Pg. 173-175 #2-4, 6, 13-17 |  |  |
| 2.8 Classifying shapes on a Coordinate Plane | Pg. 182-183 #1-2,5-6,11,14 |  |  |
| 2.10 Using the point of Intersection to solve problems | Pg. 194-197 # 1-3,6,8,12-14,18 |  |  |
| 2.11 Verifying Geometric Properties | Pg. 203-204 #1,3-7,14 |  |  |
| Review | Chapter 2 Review Test (Pg. 218) Pg. 206-217 |  |  |

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| Grade 9 Review Homework 2 |
| Exponent Laws | Pg. 228, #1-9 |  |  |
| Simplifying Algebraic Expressions | Pg. 230 #4,6 |  |  |
| Transformation of two-dimensional shapes | Pg. 233 #2-5 |  |  |
| Finite Differences and Rate of Change | Pg. 236 #1-2 |  |  |

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| Quadratic Functions Homework  |
| Section | Suggested Homework | Completed Questions | PLEASE EXPLAIN!!! |
| 3.1 Quadratic Relations | Pg. 254 #2,4-5,10 |  |  |
| 3.2 Properties of Quadratic Functions | Pg. 266 #2,4,6-9,12,14-15, |  |  |
| 3.4 The Roles of the Zeros of a Quadratic Function | Pg. 280 #1,3,6,7aei,9-11 |  |  |
| 3.4 The Roles of the Zeros of a Quadratic Function | Pg. 283 #12-14,16,18-19, |  |  |
| 3.7 Standard form of a Quadratic Function | Pg. 296 #1-4 (alternating letters),7,13,17,18 |  |  |
| 3.8 Factoring Quadratic Equations | Pg. 307 #2-7 (alternating letters) |  |  |
| 3.8 Factoring Quadratic Equations | Pg. 308 #8-9,11-14,17 |  |  |
| 3.9 Solving Quadratic Equations | Pg. 315 #1-3 (alternating letters),6,9,13,15 |  |  |
| Review | Pg. 337 #1-10 Pg.323-335 |  |  |
| 4.2 The Vertex Form of a Quadratic Relation | Pg. 351 #1-3,7,10,13,16,21 |  |  |
| 4.3Investigate Transformations of Quadratics | Pg. 363 #1-3,7,9,13,16 |  |  |
| 4.4 Using Symmetry to Relate Standard Form to Vertex Form | Pg. 376 #1-4,8-12,16 |  |  |
| 4.6 Completing the Square | Pg. 390 #1-4,13-16, |  |  |
| 4.7 The Quadratic Formula | Pg. 403 #2,4-6,12-13,16-19 |  |  |
| Review | Pg. 429-430 #1-12 Pg. 416-428 |  |  |

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| Grade 9 Review - 3 |
| Rate, Ratio, Proportions | Pg. 440 #2-5 |  |  |
| Angle Relationships | Pg. 442 a-h |  |  |
| Congruent Figures | Pg. 444 #1-4 |  |  |

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| Trigonometry Questions |
| Section | Suggested Homework | Completed Questions | PLEASE EXPLAIN!!! |
| 5.2 Investigating and Comparing Triangles | Pg. 460 #2-3,5,6-7 |  |  |
| 5.4 Modelling with Similar Triangles | Pg. 474 #1-3,7-11,13 |  |  |
| 5.6 Investigating the Connection Between Slope and Angle | Pg. 481 #3,5-10,16 |  |  |
| 5.7 The Primary Trigonometric Ratios | Pg. 496 #1-8 |  |  |
| 5.7 The Primary Trigonometric Ratios | Pg. 497 #13-16,20-22,27-30 |  |  |
| 5.8 Solving Problems using Right Triangle Models and Trigonometry | Pg. 509 #1,8-9,13-15, |  |  |
| Review | Pg. 526 #1-7 Pg. 512-525 |  |  |
| Getting Ready – Ch. 6 | Pg. 530-531 #1-11,13-16 |  |  |
| 6.2 Similar-Triangle Models | Pg. 538 #1-7,9-10 |  |  |
| 6.3 Investigating Sine Law | Pg. 549 #1-4,7-10,13-15 |  |  |
| 6.4 Proving and Using the Sine Law | Pg. 555 #1-7,9-10 |  |  |
| 6.6 The Cosine Law | Pg. 566 #1-4,7-9,16-17 |  |  |
| 6.7 Solving Measurement Problems | Pg. 574 #1-3,8-11,13-15 |  |  |
| Review | Pg. 586 #1-10 Pg. 578-585 |  |  |