

Algebra II Review for 1st Semester Final

Solve equations with fractions p.22 #43, 45

Evaluate a function p.14 #23, 39

Solve inequality p.64 #35, 37

Solve absolute value equation p.64 #41

What makes a set of points a function p.77 #11, 13, 17, 19

What makes a line have undefined slope p.86 #11, 13, p.98 #33, 39

Write equation of line using slope-intercept form, point-slope form, standard form p.101 #1, p.102 #33

Write equation of parallel line or perpendicular line p.102 #21, 23

Graph an absolute value function p.127 #5, 7, 13

Find the max or min of quadratic p.241 #33, 35

Graph a quadratic function p.249 #9, 15, 17

Multiply and divide complex number p.280 #23, 25, 33

Solve quadratic equation – by square rooting, by factoring and by using the quadratic formula

p.264 #53, p.270 #31, 33, p.279 #7, 11, p.296 #5, 9

Factor a quadratic expression p.263 #5, 7, 17, 25

Identify transformations in a quadratic function given in vertex form p.127 #3, 9, 11 and p.249 #5, 9

Simplify a radical expression p.269 #5, 11, 13

Use the vertical motion model p.290 #63 and p.321 #41

Find the line of symmetry of a quadratic function p.240 #21, 23

Find the number and type of solutions to a quadratic equation p.296 #31, 35

Simplify an expression using properties of exponents p.333 #27, 29, 33

Add, subtract and multiply polynomials p.349 #5, 11, 21, 40

Factor and solve a higher degree polynomial equation – finding all solutions p.357 #29, 33, 35

Find the nth term of an arithmetic or geometric sequence p. 806 #13, 15 and p.814 #15, 17

Determine whether a sequence is arithmetic, geometric or neither p.806 #3, 5, 9 and p.814 #3, 5, 7

Use summation notation for an arithmetic or geometric series p.841 #13, 15, 21, 23