Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ NO CALCULATOR!! Block: \_\_\_\_\_\_\_

Algebra 2 Honor Spiral 8 Review

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| Graphing Quadratics | | | | |
| 1. Given the graph below, write an equation of the quadratic. | | 1. Sketch a graph of the equation given. Include at least 3 labeled points. | | |
| Solving Quadratics by Factoring | | | | |
| 1. Factor completely   a.  b. | | | 1. Solve by Factoring   a.  b. | |
| Solving by Square Roots; Complex Numbers | | | | |
| Solve for all possible values of x. | | | | |
| a.  b. | | | a.  b. | |
| Solving by Completing the Square | | | | |
| Solve the following by completing the square. | | | | |
|  | 1) Get the constant away from the variable and 1 in front of x2.  2) Find the c value.  3) Add the c value to both sides of the equation.  4) Factor the left side, simplify the right.  5) Solve by square root (don’t forget plus or minus!) | | |  |