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.

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| 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.
 | 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!) |  |