Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block: \_\_\_\_\_\_\_

Algebra 2 Honor Spiral 7 Review

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| Systems of Equations & Inequalities | | | |
| 1. Graph the system of inequalities. **Be sure to make clear your shaded region solution.** | 1. Write the equations to represent the situation and solve the system using any method.   Mr. Sweets is buying 30 bags of candy to hand out at Halloween. He is going to buy lollipops, which cost $3.50 per bag, and he is going to buy chocolates, which cost $4 per bag. He is going to spend his entire candy budget of $114.50. How many bags of each candy is he going to buy? | | |
| Graphing Quadratics | | | |
| 1. Given the graph below, write an equation of the curve. | | 1. Sketch a graph of the equation given. Include at least 3 labeled points. | |
| Solving Quadratics by Factoring | | | |
| 1. Factor completely: | | | 1. Solve by Factoring |
| Solving by Square Roots; Complex Numbers | | | |
| 1. Solve for all possible values of x. | | | 1. Solve by Factoring |