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

Algebra 2 Honor Spiral 5 Review

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| Graphing Linear Equations | |
| 1. Write an equation of the line parallel to , through (-2, 5). 2. Write an equation of the line perpendicular to , through (-2, 5). | 1. Sketch a graph of the function: |
| 1. Sketch a graph of the function: |
| Absolute Value & Piece-Wise Functions | |
| 1. Sketch a graph of the function: | 1. Sketch a graph of the function |

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| Systems of Equations & Inequalities | |
| 1. Graph the system of inequalities.  |  | | --- | |  | | | | | 1. Write equations to represent the situation and solve the system using any method.   Mrs. Giaquinta is considering 2 different cell phone plans. Plan A costs $30 per month plus an additional $.05 for each minute she talks. Plan B has no monthly charge, but will cost $.25 for each minute she talks. After how many minutes will the two plans cost the same amount? |
| Graphing Quadratics | |
| 1. Given the graph below, write an equation of the curve.      |  |  | | --- | --- | |  | Vertex | | a | | Write equation | | 1. Sketch a graph of the equation given.      |  |  | | --- | --- | |  | Vertex | | Two points | | Draw the  parabola | |