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

Algebra 2 Honor Spiral 5 Review

|  |
| --- |
| 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:

$$y+3=-.5(x-2)$$ |
| 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

 |

|  |
| --- |
| 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 theparabola |

 |