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

Algebra 2 Honor Spiral 4 Review

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| Slope |
| 1. Find a value for k, such that the slope between these two points is -2.

(1,-3) & (4, k) | 2. Write an equation for the line parallel to y = 3, through the point (0,-1) |
| Graphing Linear Equations  |
| 1. Write an equation of the line perpendicular to y=2x-2, through (-3, -1)
 | 1. Write an equation of the line parallel to

y=-4x-2, through (-5, 1) | 1. Sketch a graph of the function:

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| Absolute Value & Piece-Wise Functions |
| 1. Sketch a graph of the function:

$$g\left(x\right)=\left\{\begin{array}{c}2x-2, x<3\\1, 3\leq x\leq 5\\-x+5, x>5\end{array}\right.$$ | 1. Sketch a graph of the function:

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| Systems of Equations & Inequalities |
| 1. Solve the system by graphing.

  | 1. Solve the system using any method.

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| 1. Solve the system using any method.
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| 1. Graph the system of inequalities.

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