Beginning Algebra

Study Guide 10

Due Date: _____

Name: _____

Class: _____

Score: _____

No Work $\Leftrightarrow$ No Points

Use Pencil Only $\Leftrightarrow$ Be Neat & Organized

1. **Find an equation of a line that contains the point $A(-4, 2)$ with**

   (a) **(4 points) slope $\dfrac{-3}{4}$.**

   (a) _____

   (b) **(2 points) zero slope.**

   (b) _____

   (c) **(2 points) undefined slope.**

   (c) _____

2. **Find an equation of a line that contains the points $A(-2, 3)$ and**

   (a) **(4 points) it is parallel to the line $y = -3x + 7$. Write your answer in slope-intercept form.**
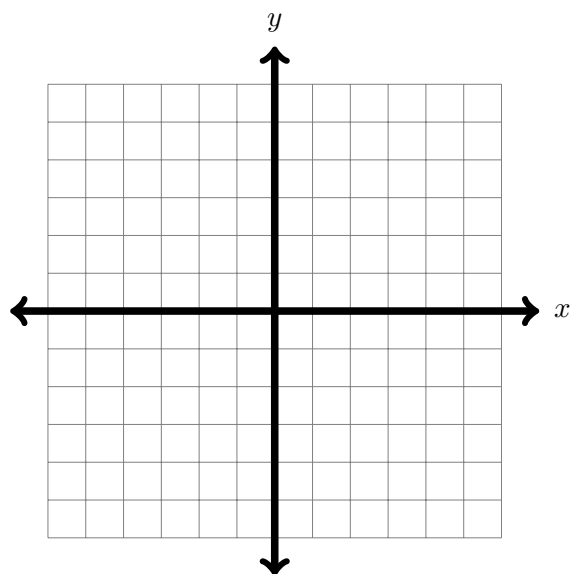
   (a) _____

   (b) **(4 points) it is perpendicular to the line $y = -2x + 1$. Write your answer in standard form.**

   (b) _____

3. (4 points) Shade the solution.

$$\begin{cases} 2x - 3y < 6 \\ x + 2y \geq -4 \end{cases}$$

4. (5 points) Shade the solution.

$$\begin{cases} 8x + 9y \leq 72 \\ 2x + 3y \geq 6 \\ x \geq 0 \\ y \geq 0 \end{cases}$$