Beginning Algebra	Name:
Study Guide 8	Class:
Due Date:	Score:

No Work \Leftrightarrow No Points

Use Pencil Only \Leftrightarrow Be Neat & Organized

- State the location on the Cartesian Coordinate plane of each ordered pairs below:
 (a) (1 point) A(3,-4)
 - (b) (1 point) B(0,-6)

(b) _____

(a) _____

2. (3 points) Graph 3x - 4y = -12 by using intercept method.



3. (2 points) What is the slope of the line that contains (-4, 6) and (4, 2)?

- 4. Consider a line segment AB with endpoints A(-3,2) and B(3,-6).
 (a) (2 points) Find the distance between the two points.
 - (a) _____ (a) _____ (b) (2 points) Find the midpoint of the line segment \overline{AB} .

(b) _____

(c) (2 points) Find the slope of the line \overleftrightarrow{AB} .



5. (2 points) Write 2x - 5y = 10 in slope-intercept form.

6. (8 points) Graph both linear equations in each system, clearly mark intercepts, rise and run of the slope, or any point used in the graph:



7. (8 points) Graph both linear equations in each system, clearly mark intercepts, rise and run of the slope, or any point used in the graph:



8. (8 points) Graph both linear equations in each system, clearly mark intercepts, rise and run of the slope, or any point used in the graph:



9. Write the following linear equations in slope-intercept form.
(a) (3 points) y+4 = ²/₃(x-1).

(b) (3 points)
$$\frac{x}{3} - \frac{y}{5} = 0.$$

(c) (3 points)
$$y-2 = \frac{-2}{5}(x+5)$$
.

(b) _____

(a) _____

(c) _____