

3-1 & 3-3 Quiz

Name: _____

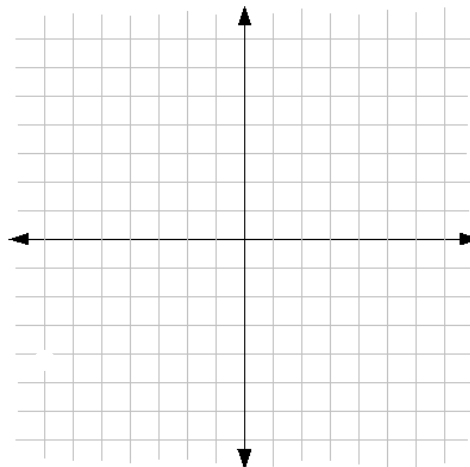
Directions: Show your work for each step. You can receive partial credit so it is important to show each step.

1. Put the linear equation in standard form.

$$4y = 16x + 8$$

2. Find the x- and y- intercepts of $7y = x + 21$.

3. a) Graph $3y = -2x - 6$ using the x- and y- intercepts.



b) Is the slope of the line you graphed: positive, negative, zero or undefined?

c) Find the rate of change of the line you graphed using the slope equation and 2 points on the line.

Remember: $m = \frac{y_2 - y_1}{x_2 - x_1}$

4. Label each line as having a slope that is either: positive, negative, zero or undefined.

