

7.1a Graphing Introduction

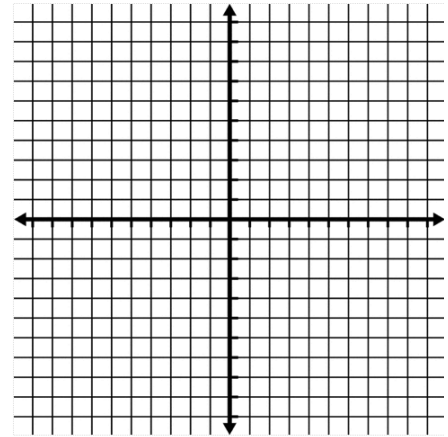
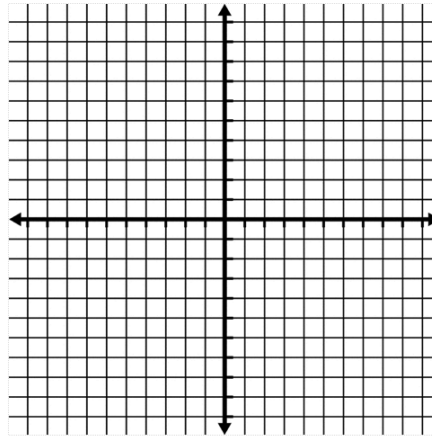
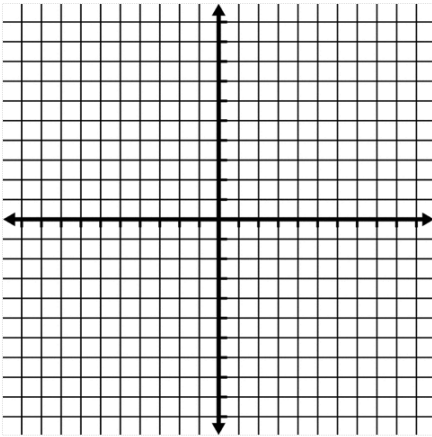
Name _____ Blk _____

1. **Graph** the following linear functions on the graphs provided. Clearly label y_1, y_2 and y_3 .

a) $y_1 = x$
 $y_2 = 2x$
 $y_3 = 3x$

b) $y_1 = x$
 $y_2 = -x$
 $y_3 = -3x$

c) $y_1 = x$
 $y_2 = \frac{x}{2}$
 $y_3 = \frac{1}{4}x$

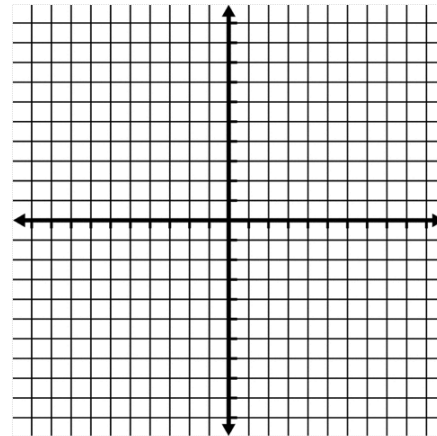
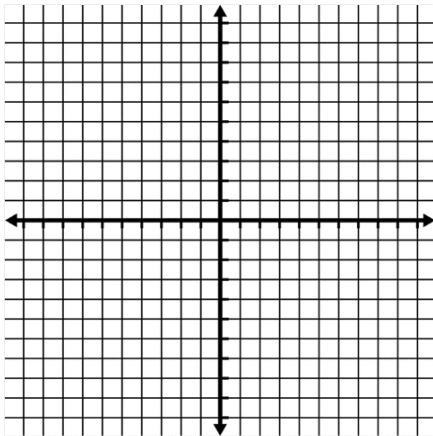


2. State the **slope** of each line in question #1.

3. **Graph** the following linear functions on the graphs provided. Clearly label y_1, y_2 and y_3 .

a) $y_1 = x$
 $y_2 = x + 1$
 $y_3 = x + 6$

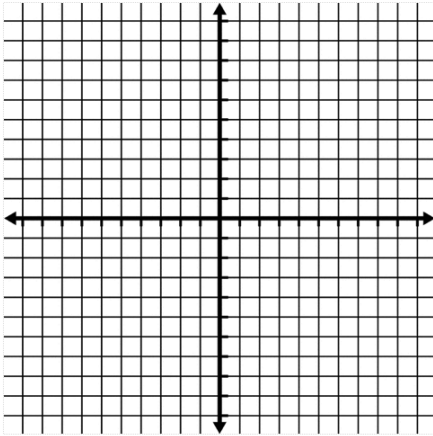
b) $y_1 = x$
 $y_2 = x - 2$
 $y_3 = x - 7$



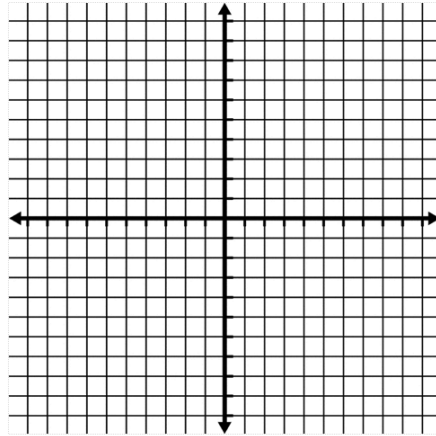
4. State the **y-intercept** of each line in question #3.

5. **Graph** $y = x$ and the following lines on the graphs provided.
State the **slope** and **y-intercept** of each line.

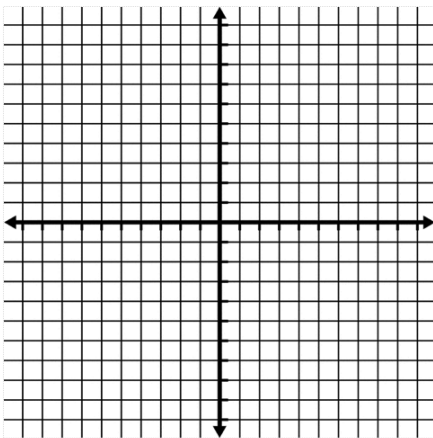
a) $y = 2x + 4$



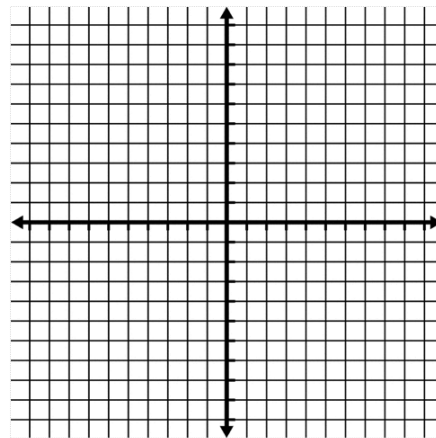
b) $y = -x + 2$



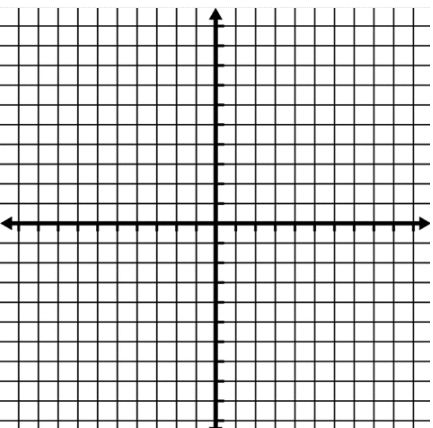
c) $y = 3x - 1$



d) $y = -2x - 3$



e) $y = \frac{x}{2} + 4$



f) $y = \frac{1}{3}x - 2$

