

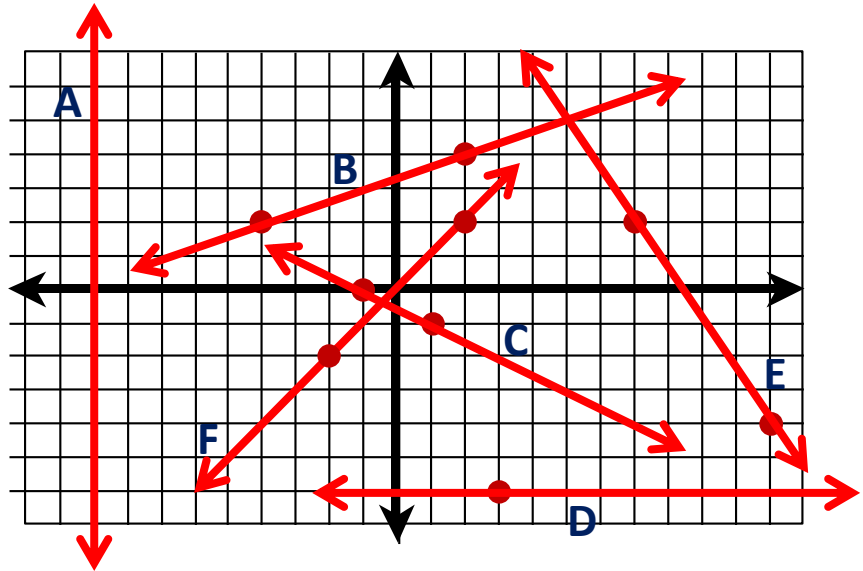
ALGEBRA II

Section 1-3

Name _____

Find the slopes of the lines shown on the grid.

- 1) line A = _____
- 2) line B = _____
- 3) line C = _____
- 4) line D = _____
- 5) line E = _____
- 6) line F = _____



Determine the slope of the line that passes through the given coordinates.

7) $(-2, 11) & (-2, 5)$

8) $(1, 7) & (-3, 5)$

9) $(-5, 0) & (-3, 16)$

10) $(-6.25, -6) & (10.75, -6)$

Determine the x and y-intercepts for each equation.

11) $6y + 5x = 30$

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

x-int. = _____

x-int. = _____

y-int = _____

y-int. = _____

Put the following equations into slope-intercept form ($y = mx + b$). Then determine the slope and y-int. for each.

13) $-2y + 4 = 3x$

14) $-5x - y = -3$

m (slope) = _____

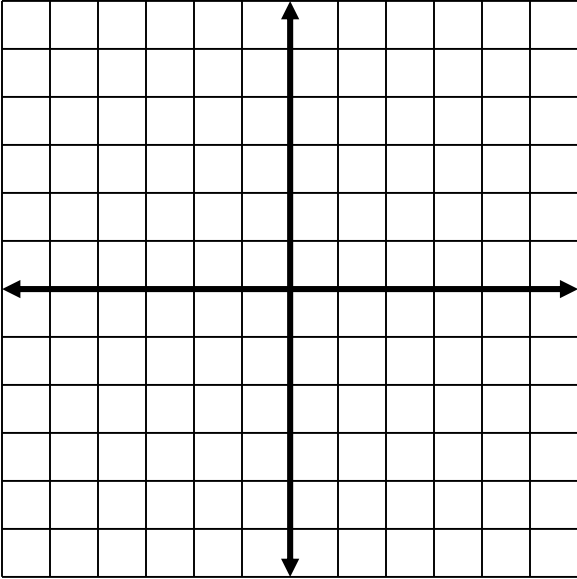
m (slope) = _____

b (y-int) = _____

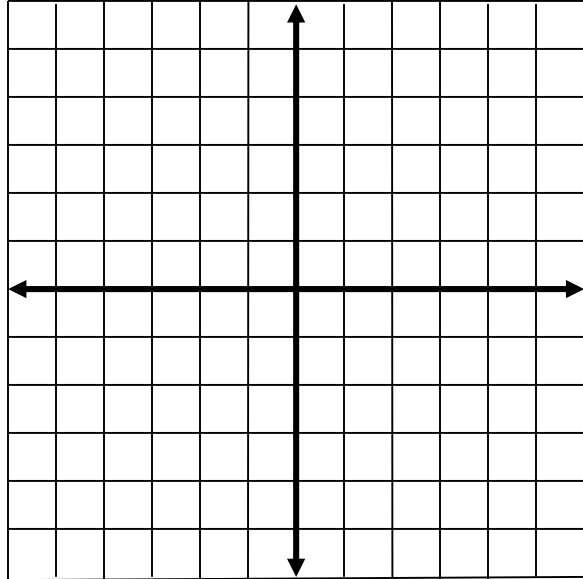
b (y-int) = _____

Use the information from number 11 & 12 to graph those equations on the grids below.

15)

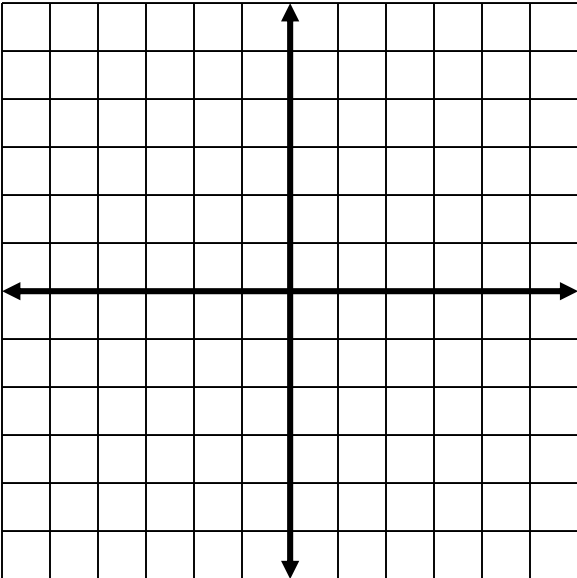


16)

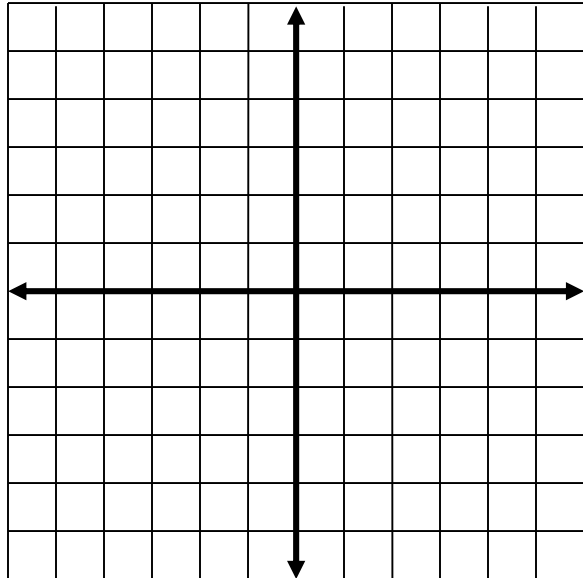


Use the information from number 13 & 14 to graph those equations on the grids below.

17)



18)



For the following equations, find the slope, then name the slope parallel // and perpendicular \perp to it.

19) $y = \frac{4}{9}x - 13$

// _____

\perp _____

20) $2 - 9y = 3x$

// _____

\perp _____

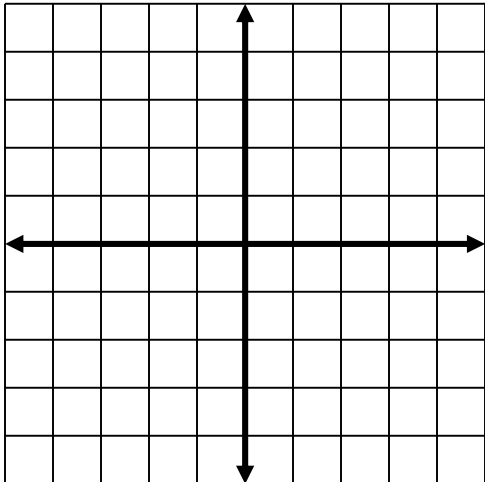
22) $3y = 21$

// _____

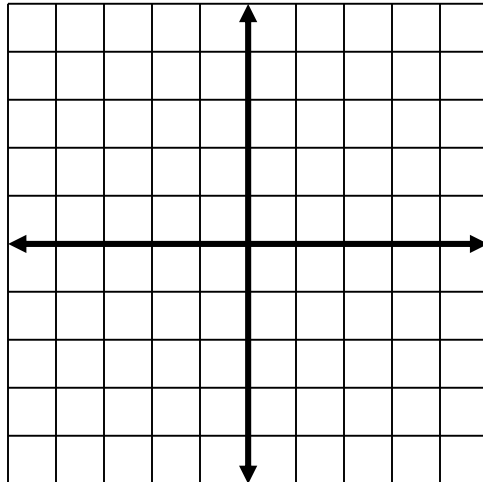
\perp _____

Graph each line using the information provided. Remember to check the "tilt" of the line.

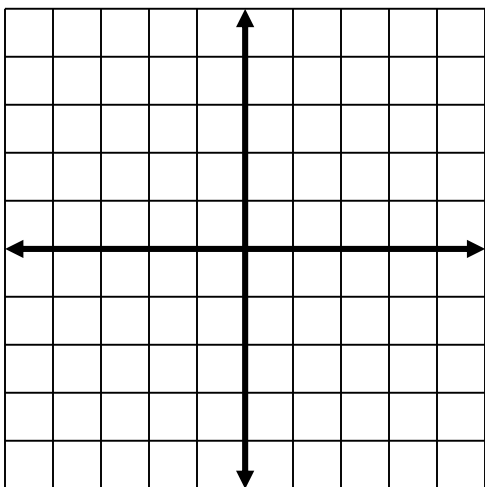
23) passes thru $(-3, -3)$ with slope = 6



24) passes thru $(0, 4)$ and is parallel to the line
with equation: $y - \frac{5}{2}x - 19$



25) passes thru $(-2, 1)$ and is perpendicular
to the line with equation: $2x + \frac{1}{2}y = -3$



College Prep Only) passes thru the x-intercept of the
equation: $5x - 3y = 10$ and is perpendicular to
the line that passes thru $(-5, 2)$ & $(3, 8)$

