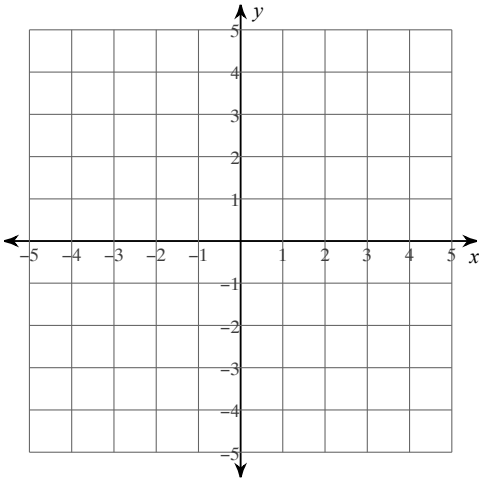
Math 10P Exam Review Part 1 Name_____

Unit 1 - Equations of Lines

14K____ 20T_____

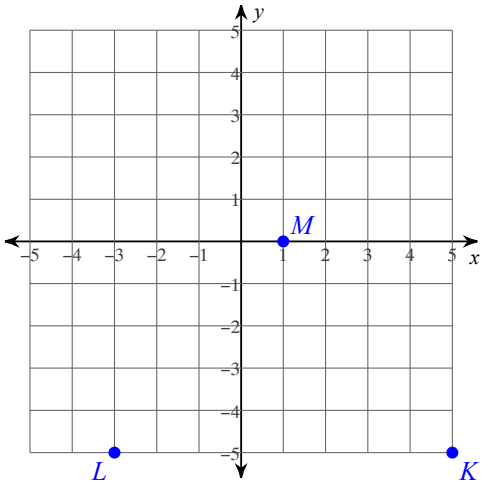
1) Plot each point. ___3K

1) $L(1, -1)$ $K(-1, 2)$ $J(-3, -2)$



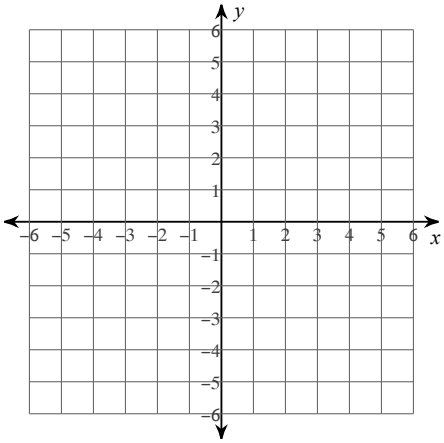
2) State the coordinates of each point ___3K

2)

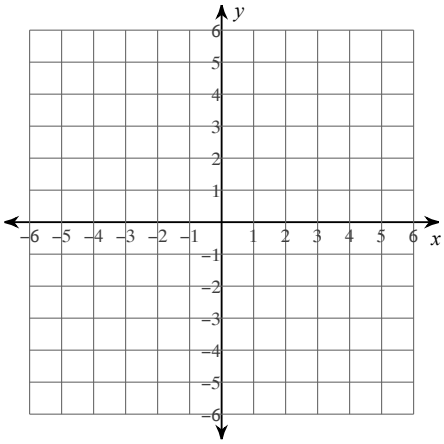


Graph the lines using method of choice ___6T

3) $y = \frac{2}{3}x + 2$

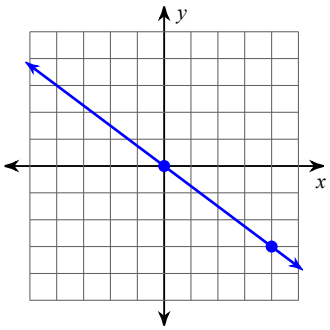


4) $y = -2x - 3$

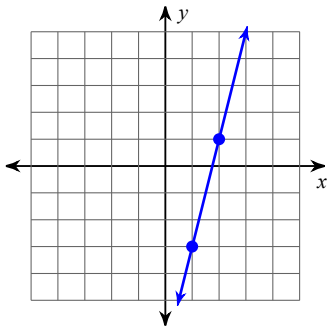


Find the slope of each line. ___**4K**

5)



6)



Find the slope of the line through each pair of points. ___**4K**

7) $(0, -4), (20, 2)$

8) $(-6, 11), (-7, -3)$

Write the slope-intercept form (y=mx+b) given the following information. ___**2T** ___**3T**

9) Slope = $\frac{2}{5}$, y-intercept = 1

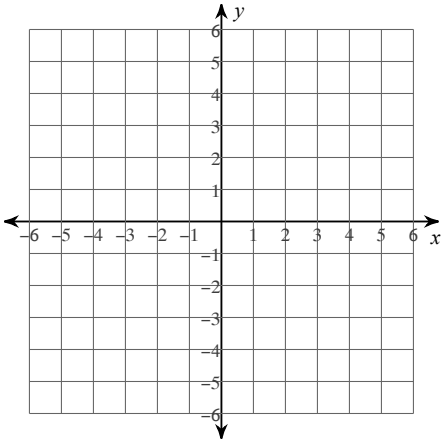
10) through: $(2, -5)$, slope = -3

Write the equation (y=mx+b) that goes through the two points. ___4T

11) through: $(3, -4)$ and $(1, 2)$

Sketch the graph of each line using the x and y intercepts. For #14, you will need to first calculate the x and y intercepts. ___2T ____3T

12) x-intercept = 3, y-intercept = -1



13) $3x - 4y = 12$