Fd. of Math 1 Name_____ ID: 1

Unit 3 Hw #7 Section 3.6 Wkst

Date_____ Period____

Write the point-slope form of the equation of the line through the given point with the given slope.

1) through: $(-5, 3)$, slope $= \frac{2}{5}$

2) through: $(2, 1)$, slope $= \frac{3}{2}$

Write the point-slope form of the equation of the line through the given points.

3) through: $(-4, -4)$ and $(-5, -3)$

4) through: $(-5, 1)$ and $(3, -2)$

5) through: $(1, -2)$ and $(0, -4)$

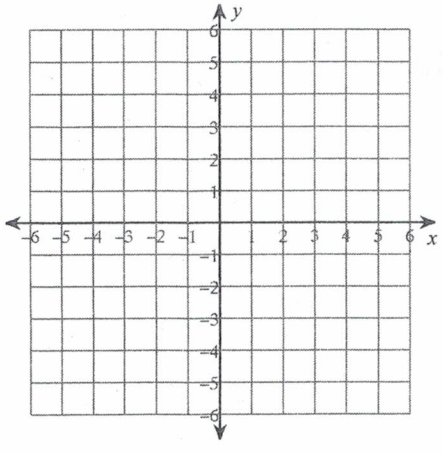
6) through: $(1, 4)$ and $(-2, 3)$

Write the point-slope form of the equation of each line given the slope and y-intercept.

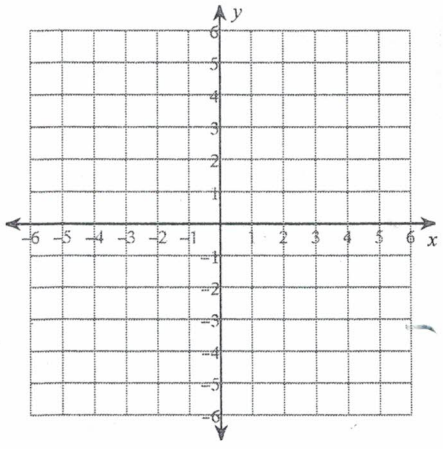
7) Slope $= -\frac{1}{2}$, y-intercept $= -5$

Sketch the graph of each line.

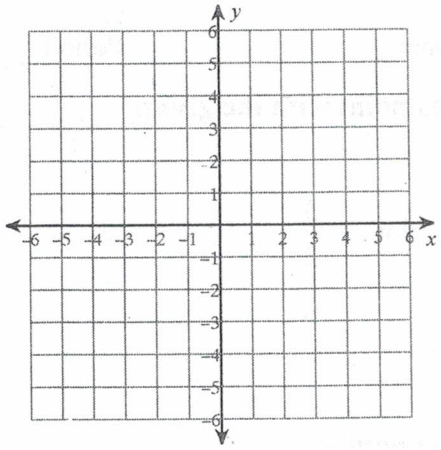
8) $y = -\frac{4}{5}x - 4$



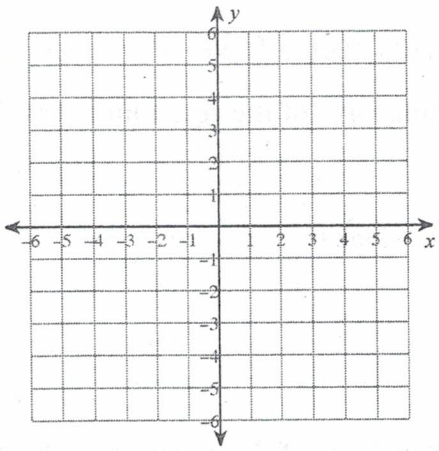
9) $y = -3$



10) $2x - 3y = -9$

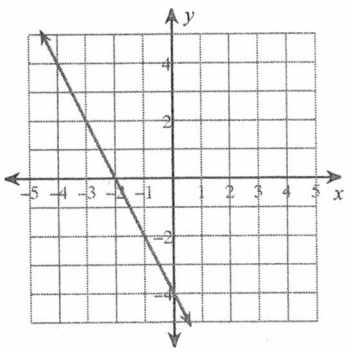


11) $7x + 4y = 16$



Write the TWO POSSIBLE point-slope form equations of the line from the given graph and the given points.

12)



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