Math 9P - Analytic Geometry

Name_____

Homework #2 - Writing y=mx+b Homework

Due Date_____ 5T____

For 1-12, create the slope intercept form (y=mx+b) based on the given information.

1) Slope $= -\dfrac{1}{2}$, y-intercept $= 3$

2) Slope $= \dfrac{3}{5}$, $(0, 5)$

3) through: $(-3, -4)$, slope $= \dfrac{5}{3}$
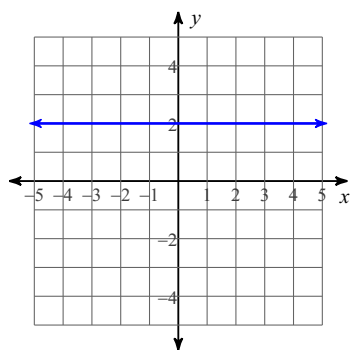
4) through: $(-2, 2)$, slope $= -\dfrac{6}{5}$

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

6) through: $(4, -1)$ and $(5, 1)$

7) Create the equation of the line which has the same slope as $2x - 5y = 10$ and the same y-intercept as $4x + 7y - 21 = 0$.

Write the slope-intercept form of the equation of each line.

8)

9)