Math 9P - Analytic Geometry   Name_____

Homework #3 - Standard Form Homework   Due Date_____ 5T____

Write the standard form of the equation of each line.

1) $y = -2x + 6$

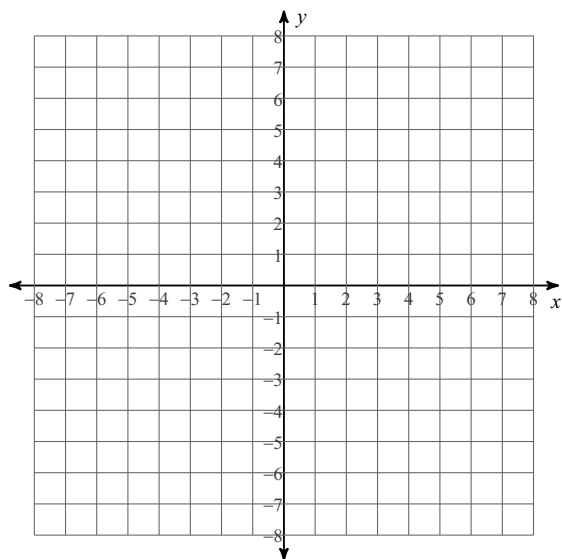2) $y = -\dfrac{7}{4}x - 3$

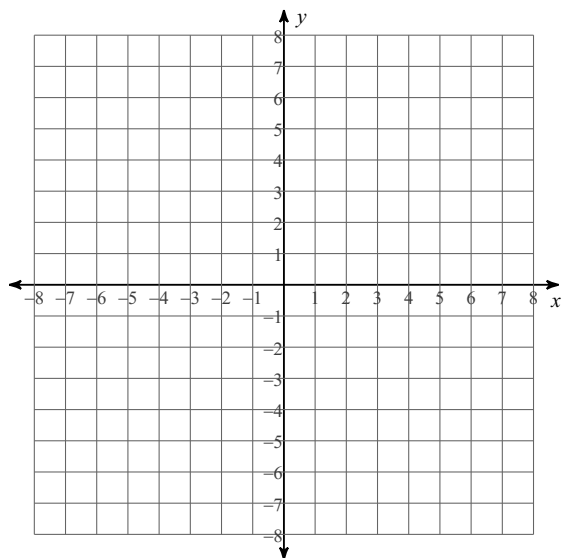3) $y = \dfrac{2}{5}x + 4$

4) $y = -4x + 6$

5) $0 = -6x - 5 - 5y$

6) $x = 2 - y$

Calculate the x-intercept and the y-intercept, plot them, then draw the line.
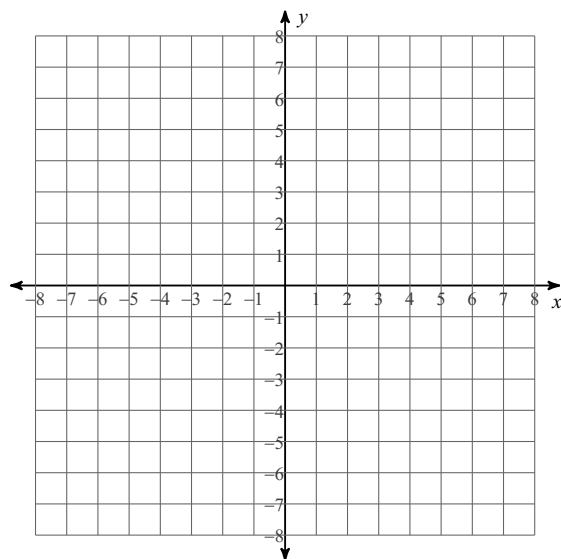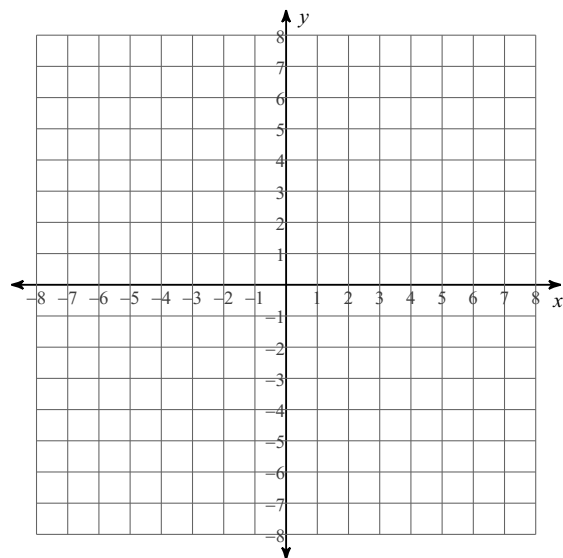
7) $3x - 7y + 21 = 0$

8) $x + 3y - 6 = 0$

9) $4x - 2y + 13 = 0$

10) $6x + 5y + 30 = 0$

Write the Standard Form given the following information. Use the Point Slope Form.

11) through: $(4, -5)$, slope $= -2$

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

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

14) through: $(-5, 3)$ and $(3, -2)$