

Homework #3 - Standard Form Homework

Due Date _____ 5T _____

Write the standard form of the equation of each line.

1) $y = -2x + 6$

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

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

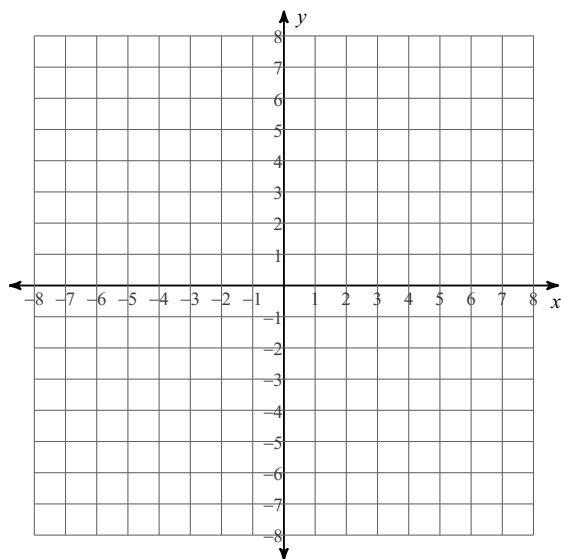
4) $y = -4x + 6$

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

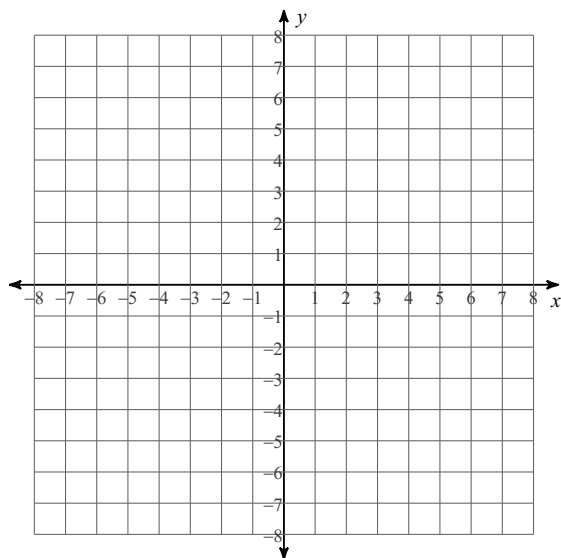
6) $x = 2 - y$

Calculate the x-intercept and the y-intercept, plot them, then draw the line.

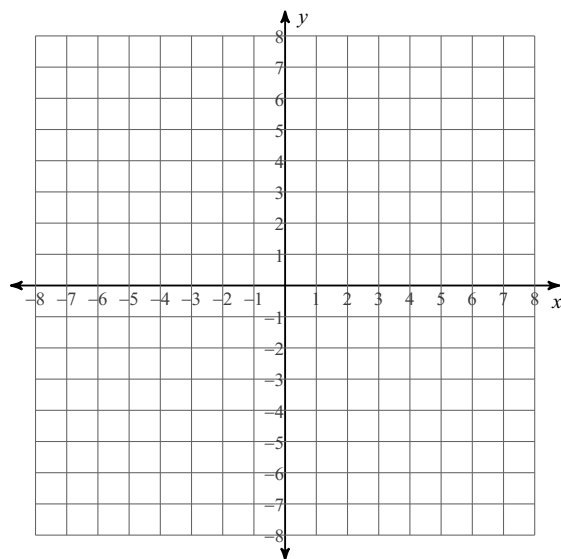
7) $3x - 7y + 21 = 0$



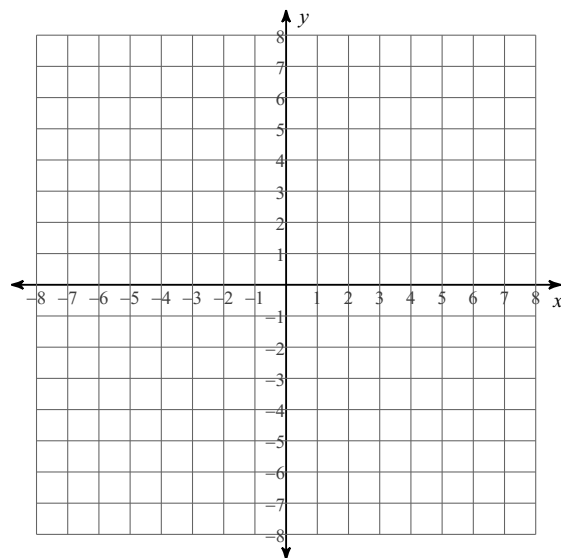
9) $4x - 2y + 13 = 0$



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



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 $= \frac{3}{2}$

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

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

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Write the standard form of the equation of each line.

1) $y = -2x + 6$

$$2x + y - 6 = 0$$

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

$$7x + 4y + 12 = 0$$

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

$$2x - 5y + 20 = 0$$

4) $y = -4x + 6$

$$4x + y - 6 = 0$$

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

$$6x + 5y + 5 = 0$$

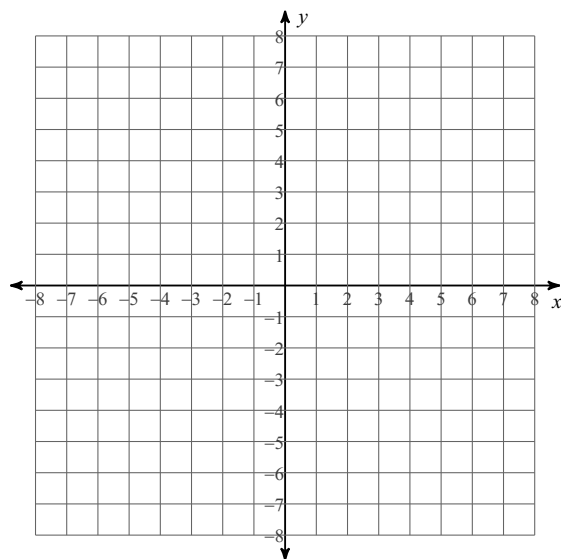
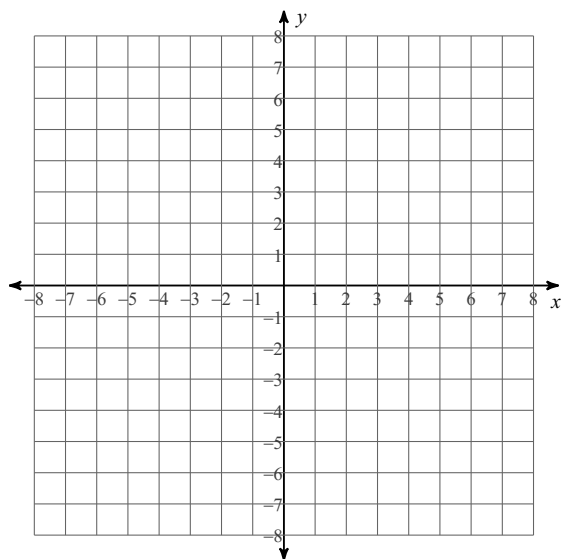
6) $x = 2 - y$

$$x + y - 2 = 0$$

Calculate the x-intercept and the y-intercept, plot them, then draw the line.

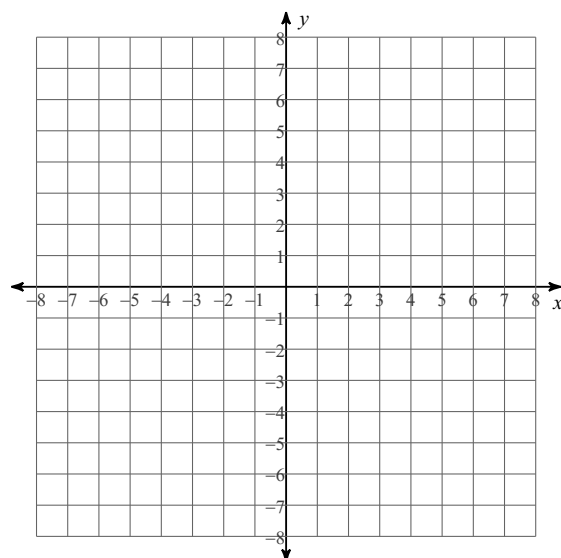
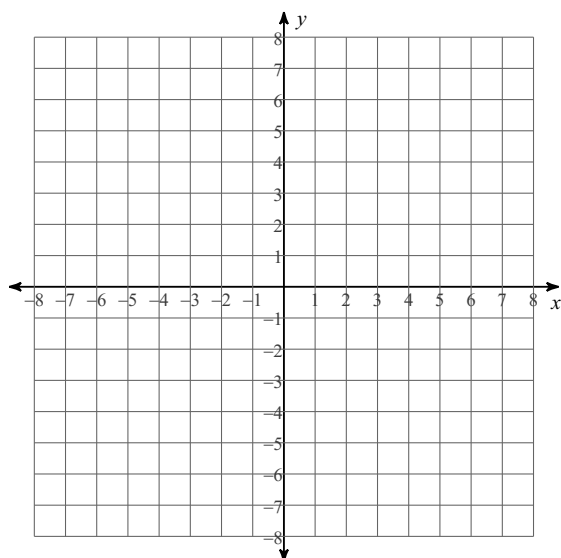
7) $3x - 7y + 21 = 0$

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 $= -2$

$$2x + y - 3 = 0$$

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

$$3x - 2y + 4 = 0$$

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

$$8x - y + 37 = 0$$

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

$$5x + 8y + 1 = 0$$