

Chapter 1: Fundamentals
Lesson 1-1: Point, Line, Plane
Warm-Up: Current

name _____
date _____
period ____

Algebra Review

1. Plot and label the following points.

$$A = (-2, 8)$$

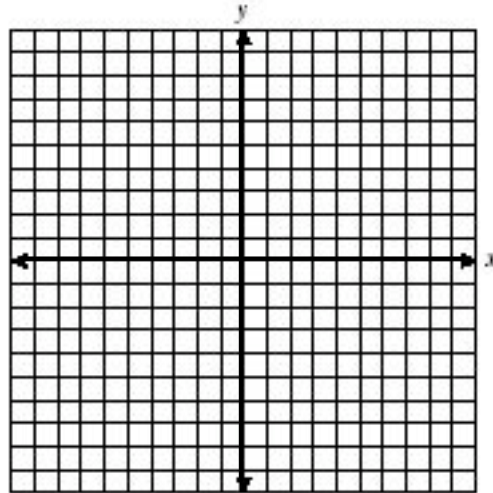
$$B = (3, 3)$$

$$C = (-5, -9)$$

$$D = (6, -2)$$

$$E = (0, 1)$$

$$F = (-7, 0)$$



2. Find the coordinates of the following points.

$$A = \underline{\hspace{2cm}}$$

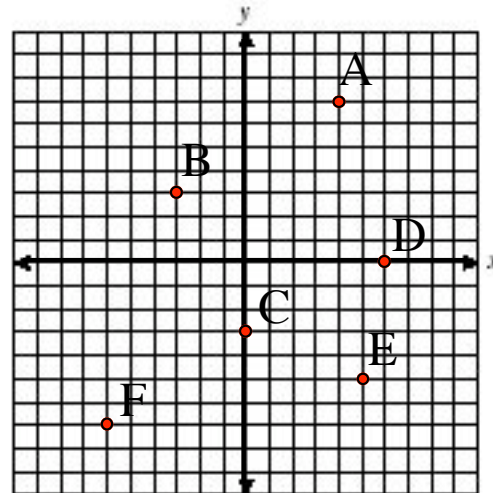
$$B = \underline{\hspace{2cm}}$$

$$C = \underline{\hspace{2cm}}$$

$$D = \underline{\hspace{2cm}}$$

$$E = \underline{\hspace{2cm}}$$

$$F = \underline{\hspace{2cm}}$$



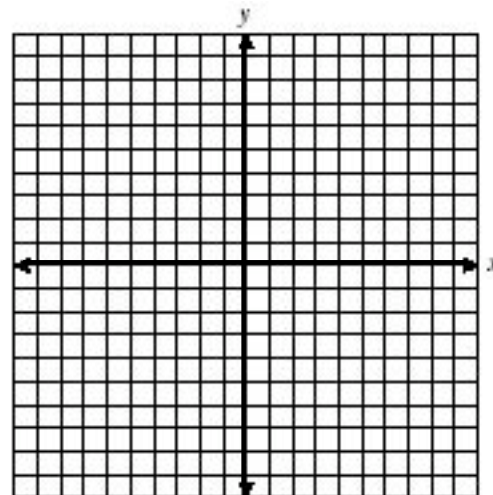
3. Graph the following lines.

$$y_1 = \frac{2}{3}x + 5$$

$$y_2 = -\frac{1}{4}x + 2$$

$$y_3 = 2x - 8$$

$$y_4 = -\frac{5}{2}x - 3$$



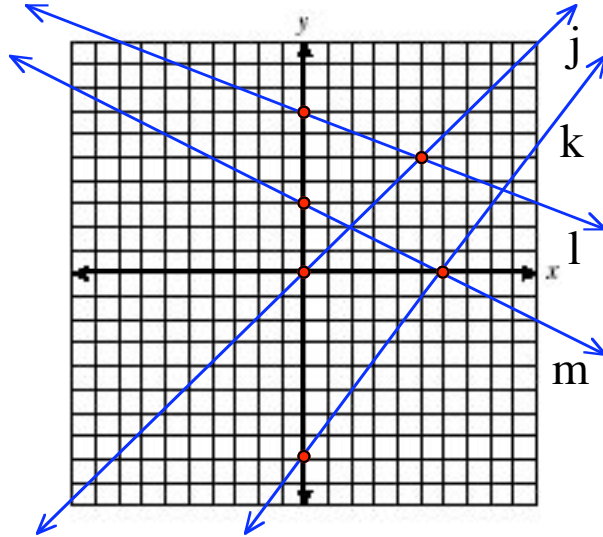
4. Write the equation of the following lines.

j: _____

k: _____

l: _____

m: _____



5. Solve for x. (show your work)

$$2x + 6 = 10$$

$$x = \underline{\hspace{2cm}}$$

$$8x - 20 = 5x + 5$$

$$x = \underline{\hspace{2cm}}$$

$$(4x + 10) + (x + 20) = 90$$

$$x = \underline{\hspace{2cm}}$$

$$(3x + 15) + (2x + 25) = 180$$

$$x = \underline{\hspace{2cm}}$$