

Warm-up

① 15 is What % of 30?

$$15 = x \cdot 30$$

$$\frac{15}{30} = x$$

$$x = 50\%$$

② What # is 30% of 60?

$$x = .3 \cdot 60$$

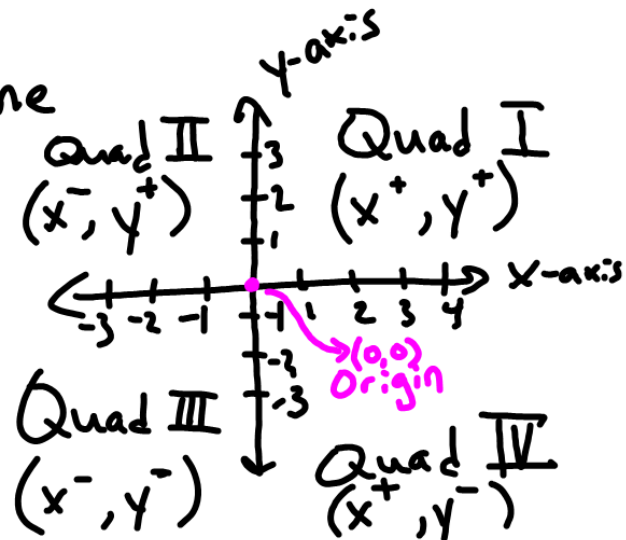
$$x = 18$$

③ Solve $M = 3R + Lh$ for h .

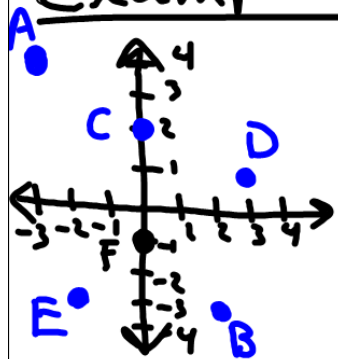
$$\begin{array}{r} -3R \quad -3R \\ \hline M-3R = Lh \\ \hline \frac{M-3R}{L} = \frac{Lh}{L} \end{array}$$

4.1 Plot Points on Graph

The Coordinate Plane



Examples



1) Plot $F(0, -1)$

2) Find coordinates for

$B(2, -3)$ $C(0, 2)$ $D(3, 1)$ $E(-2, 3)$

3) Which points are in

Quad I

Quad II

Quad III

Quad IV

Warm-up

Solve for y

$$\textcircled{1} 2(2y+3) = 5y-1$$

$$4y+6=5y-1$$

$$\begin{array}{r} -4y \qquad -4y \\ \hline \end{array}$$

$$6=1y-1$$

$$\begin{array}{r} +1 \qquad +1 \\ \hline \end{array}$$

$$7=1y$$

$$\textcircled{7=y}$$

$$\textcircled{2} \frac{y}{12} \times \frac{4}{3}$$

$$12 \cdot \frac{4}{3} = 3y$$

$$\frac{48}{3} = \frac{3y}{3}$$

$$16 = y$$

Graphing a function w/a table

Graph $y = 2x - 1$ with domain $-2, -1, 0, 1, 2$.
Also identify the range.

x	y	
-2	-5	$y = 2x - 1$ $\leftarrow 2(-2) - 1$
-1	-3	$2(-1) - 1$
0	-1	
1	1	
2	3	

