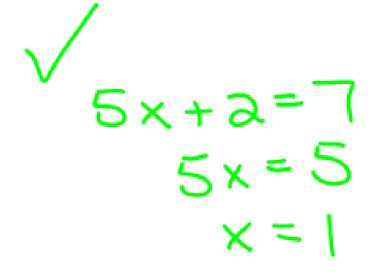
**Bell Ringer** 

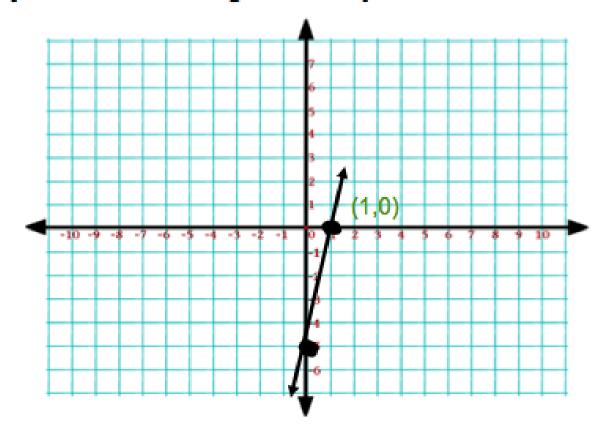
Solve. 2(x-3)-5x=9

## Solving Linear Equations Graphically and Algebraically

## Steps to solve graphically

- 1) Write the equation into ax + b = 0 form (hint: set equation = 0)
- Substitute y for the 0 and graph using slope-intercept form (Notice: the "a" is the slope)
- 3) The solution for "x" graphically is the x-intercept

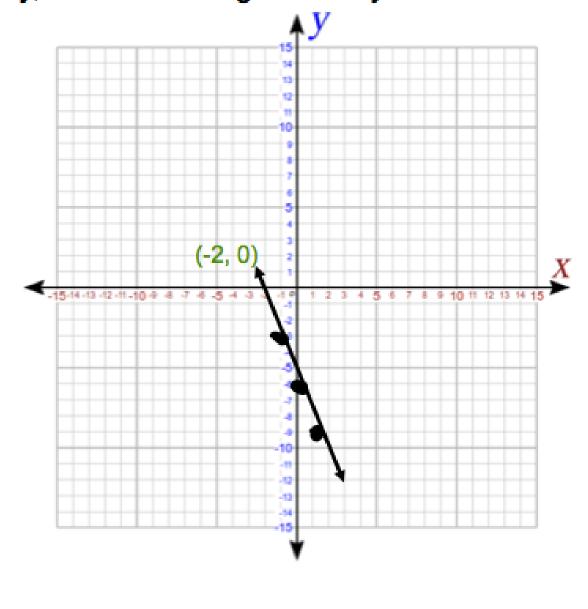




2) 
$$3 - 3x = 9$$
  
 $-9 - 9$   
 $-6 - 3x = 0$ 

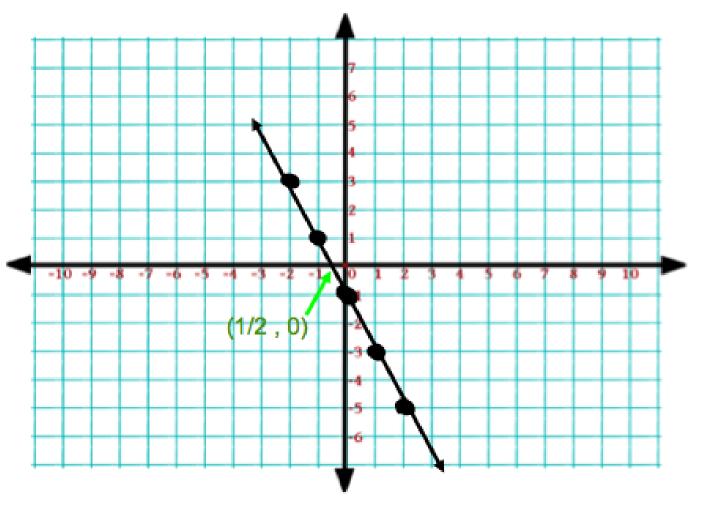
$$y = -6 + -3 \times$$

$$\sqrt{3-3} \times = 9$$
 $-3$ 
 $-3$ 
 $-3$ 
 $\times = 6$ 
 $\times = -2$ 



3) 
$$\frac{5}{2}x - 1 = \frac{9}{2}x$$

$$-\frac{4}{2}\times-1=0$$



$$-\frac{1}{a} = X$$

4) 6 - 
$$\frac{1}{4}x = \frac{3}{4}x - 6$$

