

**Practice solving systems of equations by graphing****Method #1 - Graphing**

$$y = 2x - 3$$

$$y = x - 1$$

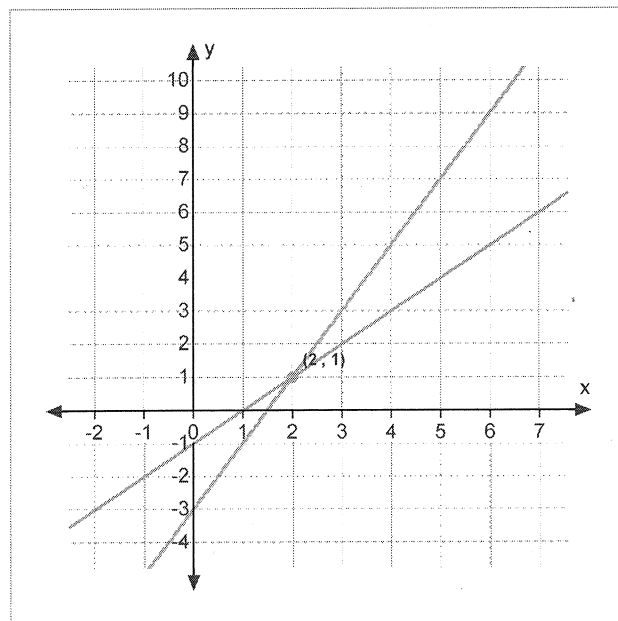
**\*\*** your solution will be an ordered pair

**Solution****Solution:  $(x,y) = (2,1)$** 

$$y = 2x - 3$$

slope =  $2/1$ y-intercept =  $-3$ 

$$y = x - 1$$

slope =  $1/1$ y-intercept =  $-1$ 

Graph using slope intercept form

**Solution****Solution:  $(x,y) = (2,1)$** **Check:**

$$1 = 2(2) - 3$$

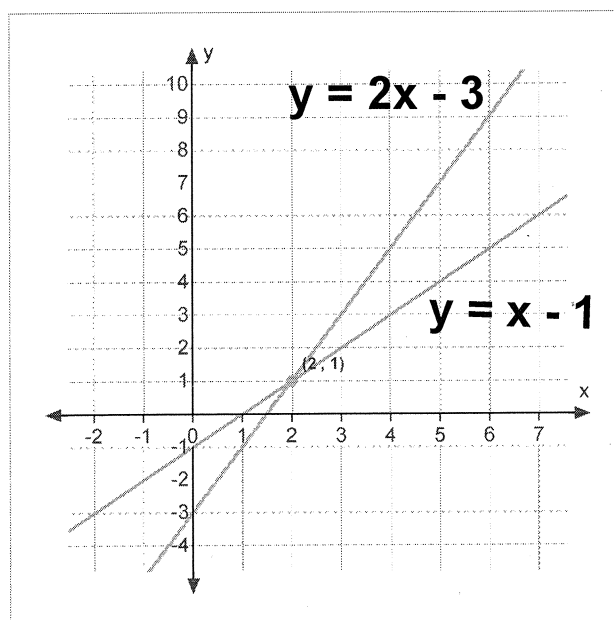
$$1 = 4 - 3$$

$$1 = 1$$



$$1 = 2 - 1$$

$$1 = 1$$



**Solving systems of equations by graphing**

$$y = x + 2$$

$$y = -2x + 5$$

INSTRUCTIONS

## Solution

**Solution:  $(x,y) = (1,3)$**

$$y = -2x + 5$$

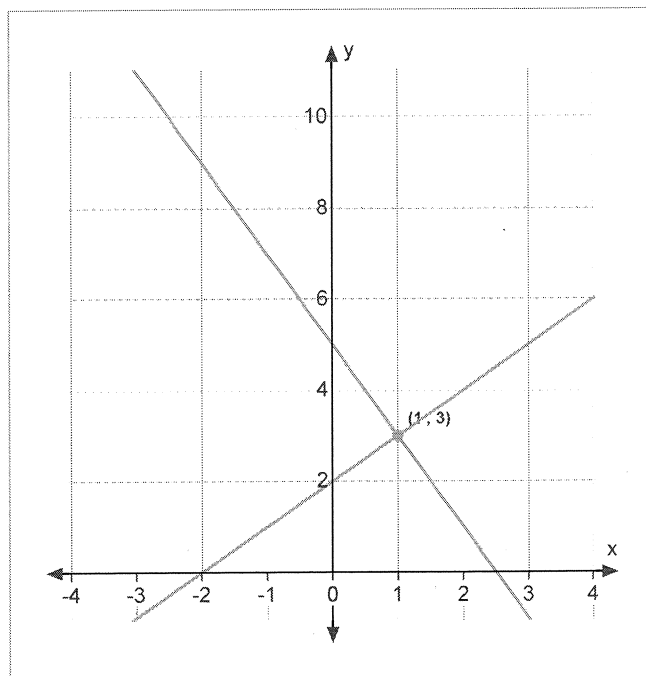
$$\text{Slope} = -\frac{2}{1}$$

$$\text{y-intercept} = 5$$

$$y = x + 2$$

$$\text{Slope} = \frac{1}{1}$$

$$\text{y-intercept} = 2$$



Graph using slope intercept form

**Solution****Solution:  $(x,y) = (1,3)$** **Check by substituting  
coordinates into both  
equations:**

$$3 = -2(1) + 5$$

$$3 = -2 + 5$$

$$3 = 3$$



$$3 = 1 + 2$$

$$3 = 3$$

