

Name: \_\_\_\_\_ Date: \_\_\_\_\_

### Solving Systems by Graphing

Determine if (2,1) is a solution to the following systems (in English, check my work):

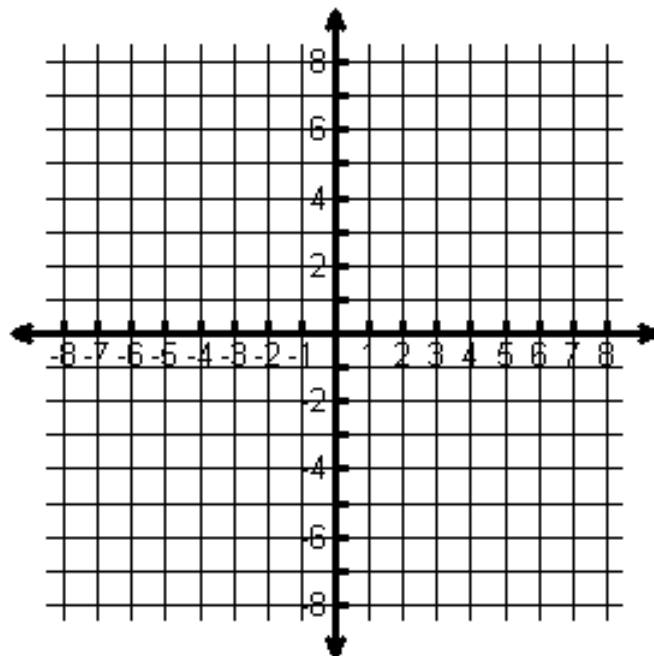
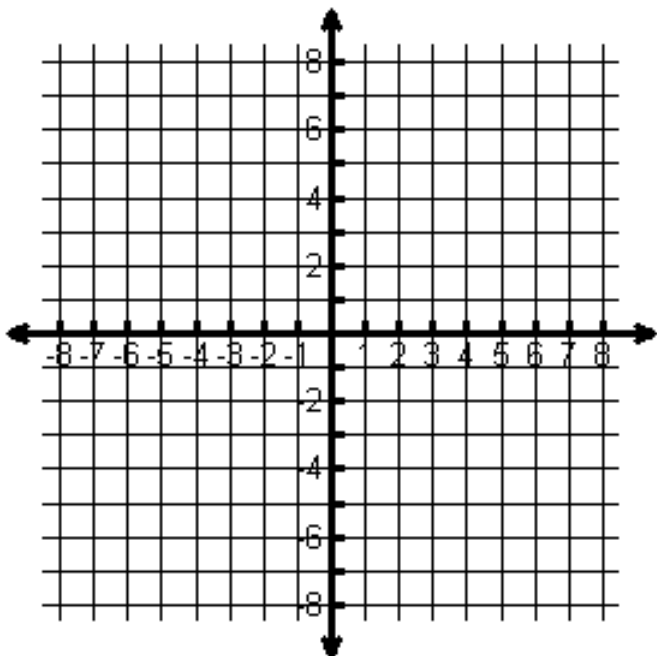
1)  $x - y = 1$   
 $3x + y = -5$

2)  $-4x + 3y = -5$   
 $-x - y = -3$

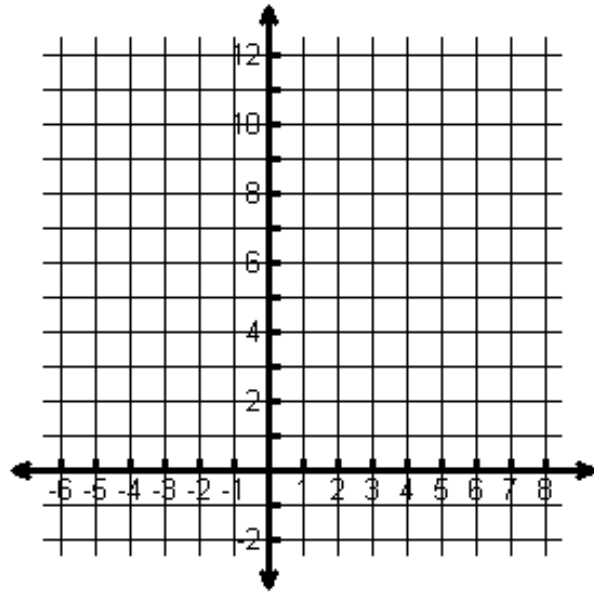
Solve each system graphically. Write your solution in the blank provided. **Check each solution.**

\_\_\_\_\_ 3)  $y = -2x + 3$   
 $y = x - 3$

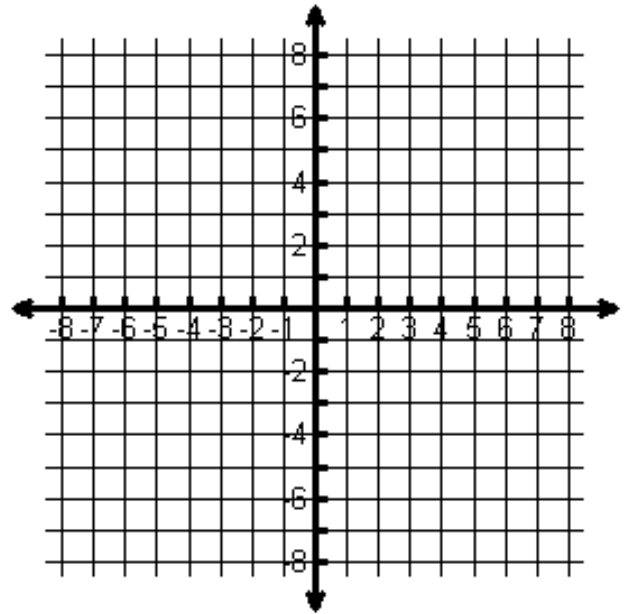
\_\_\_\_\_ 4)  $y = \frac{1}{2}x + 3$   
 $y = -\frac{2}{3}x - 4$



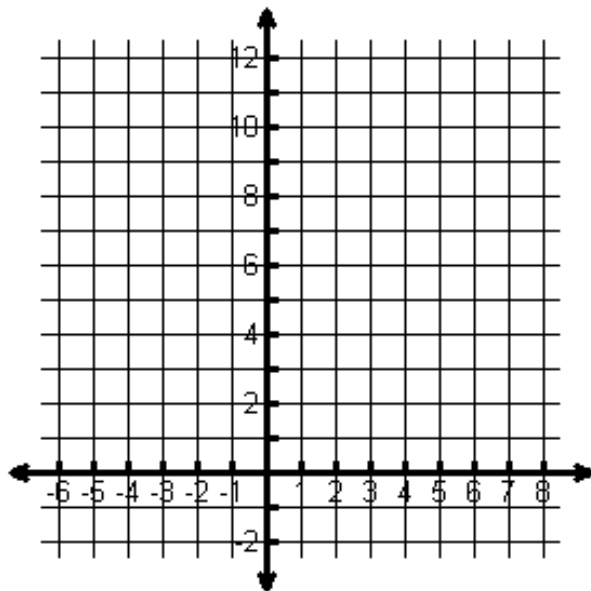
\_\_\_\_\_ 5)  $2x + y = 6$   
 $-4x + 2y = 4$



\_\_\_\_\_ 6)  $y = 3$   
 $x = -6$



\_\_\_\_\_ 7)  $y = x + 4$   
 $2x + y = 19$



\_\_\_\_\_ 8)  $x + 2y = 1$   
 $5x + 3y = -23$

