Name:

Solving Systems of Equations by Graphing and Substitution

<u>Directions</u>: Show all work to receive full credit. Circle your final answer.

Part I: Solve each system of equations by graphing. (4 pts each)

1. $y = -x + 4$
    $y + x = 2$
                                    Solution:

2. $y = 4x + 3$
    $y - x = -6$
                                    Solution:
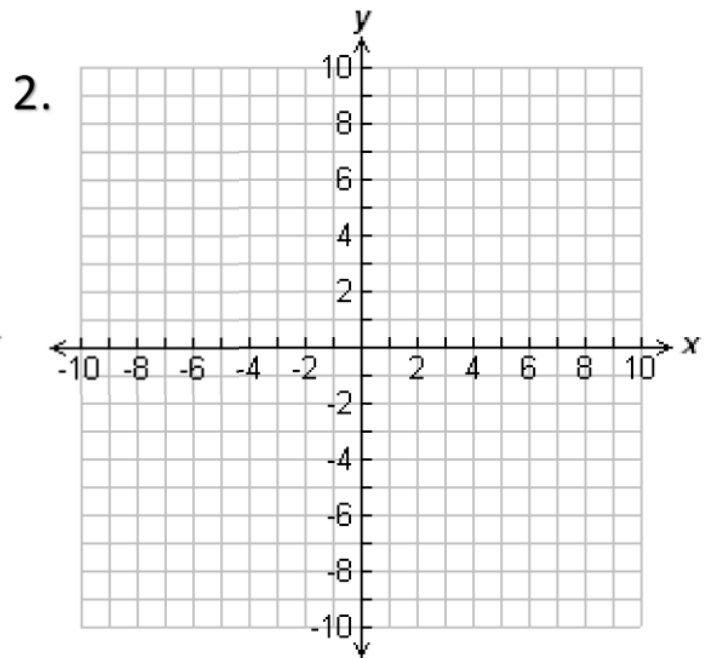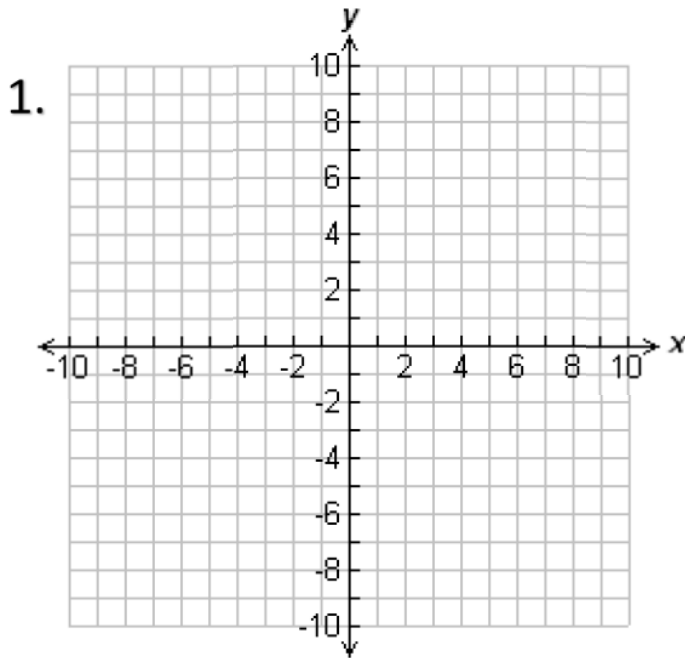
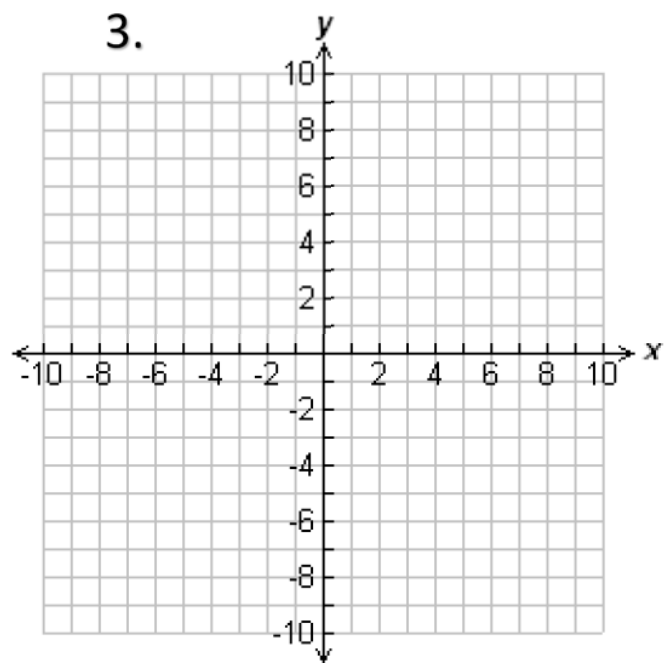3. $y + 1 = 2x$
    $y = 2x - 1$
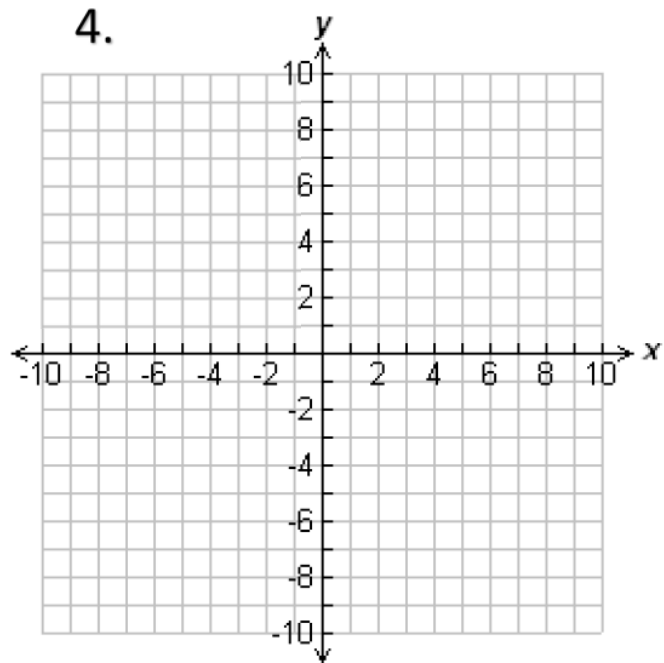   Solution:

4. $y = -3x + 3$
    $y = \dfrac{1}{2}x - 4$
                                    Solution:

1.

2.

3.

4.

5. $-2x + 2y = 18$
   $y = 7x + 15$

6. $y = x + 5$
   $y = -2x - 4$

7. $3x + 4y = 8$
   $2x + 8y = -16$

8. $6x - 3y = 21$
   $4x - 2y = 10$

9. $x - 4y = 2$

   $4x + 4y = 8$

10. $x + 3y = -4$
    $2x - 3y = 1$