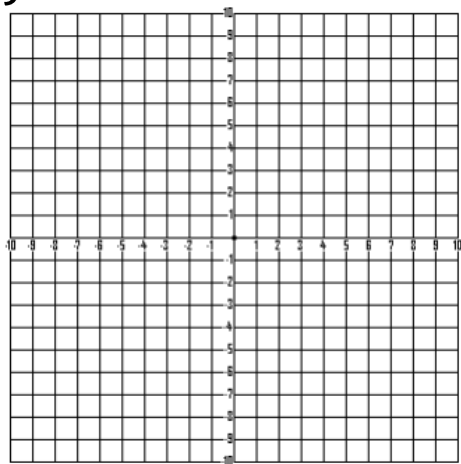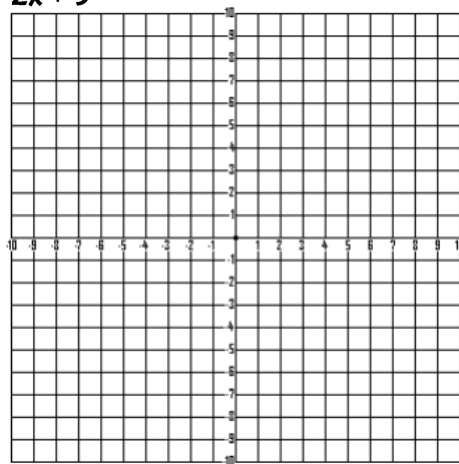# Section 6.1 Homework

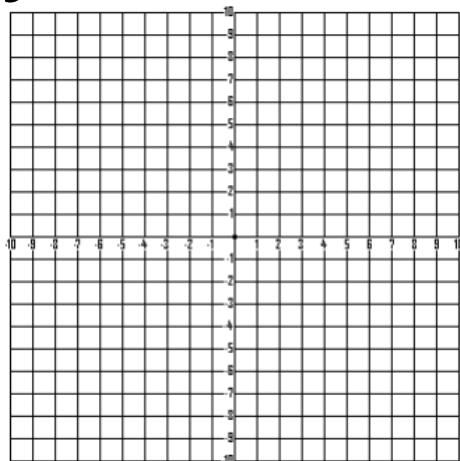_Directions_: Graph the following systems of equation to find the solution.

1. $y = -4x + 5$
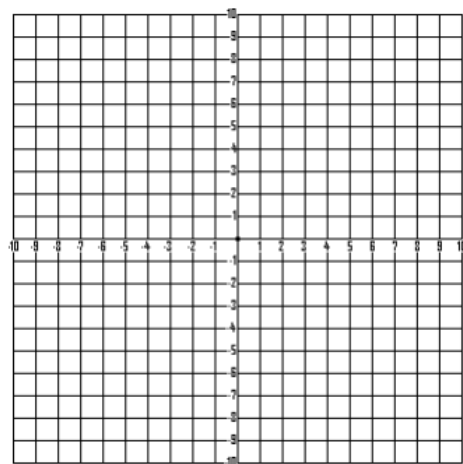 $y = 3x - 9$

4. $y = 4x - 3$
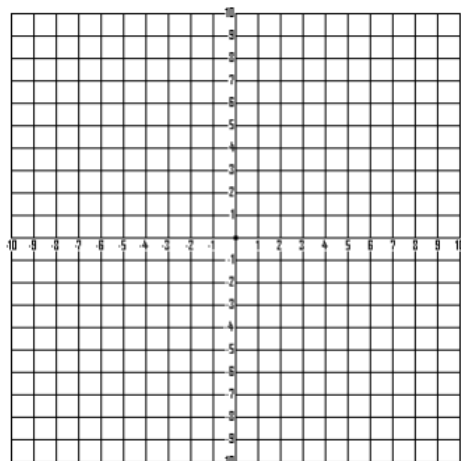 $y = -2x + 9$

2. $y = -3x + 7$
    $y = 2x - 3$
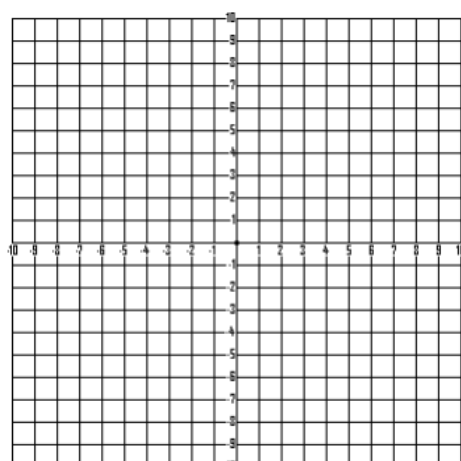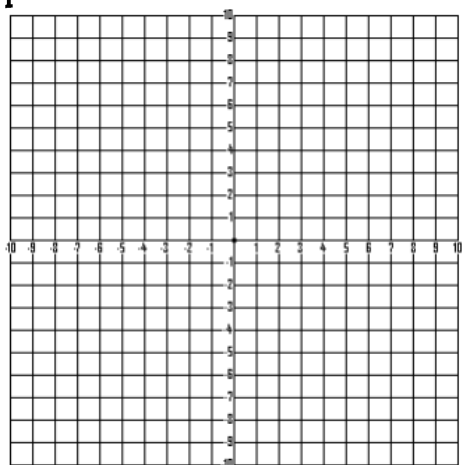
5. $2y - x = 2$
    $y = \frac{1}{2}x + 1$

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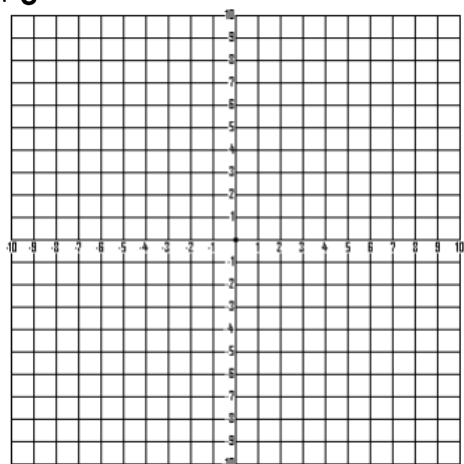 $2x + 2y = 10$

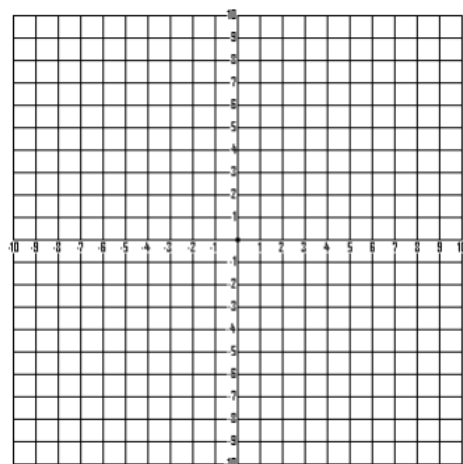6. $y = x + 6$
    $y = -2x$

7. $y = x + 7$
$y = 2x + 1$

8. $y = x - 2$
$y = \frac{1}{2}x + 6$

9. $y = \frac{1}{2}x + 7$
$y = \frac{3}{2}x + 3$

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

11. $4x - y = -1$
$y = -x - 4$

12. $y = x + 3$
$y = x - 1$