Precalculus   Worksheet #1   Unit 7   page 1 _____
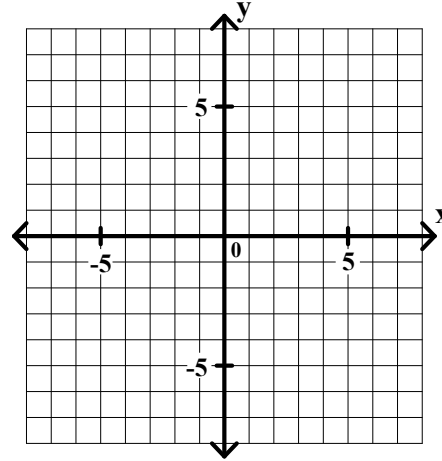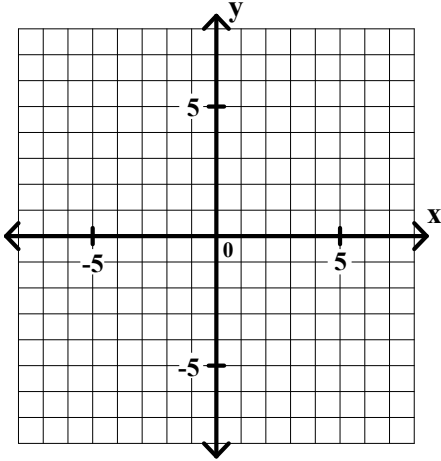
Use the graphing method to solve each of the following systems of equation.
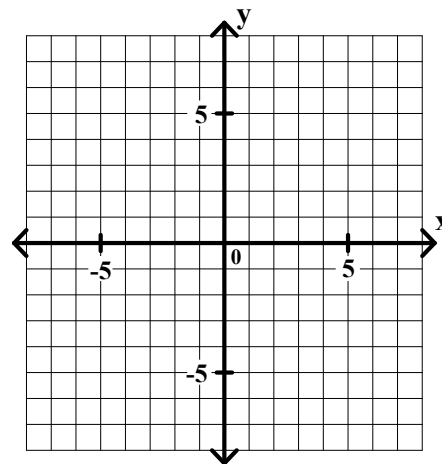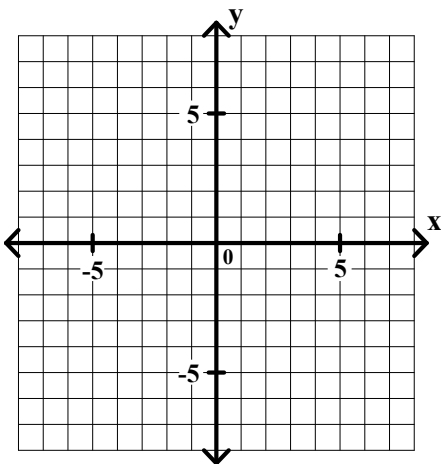
1. $x - 2y = 8$ $x =$ _____

     $x + y = 2$ $y =$ _____

2. $3x + y = 6$ $x =$ _____

     $3x + 4y = -12$ $y =$ _____

3. $2x - 3y = 6$ $x =$ _____

     $-5x + 3y = 3$ $y =$ _____

4. $x - 2y = -6$ $x =$ _____

     $5x - 2y = 10$ $y =$ _____

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Solve each of the following systems of equations using the substitution method. Show your work neatly organized.

5. $2x + 3y = 19$ $x =$ _____

    $y = 4x - 3$ $y =$ _____

6. $5x - 2y = -11$ $x =$ _____

    $y = x + 4$ $y =$ _____

7. $3x - 5y = 16$ $x =$ _____

    $y = 3x - 2$ $y =$ _____

8. $x = -2y + 1$ $x =$ _____

    $4x - 3y = 5$ $y =$ _____

Solve each of the following systems of equations using the multiplication-addition method. Show your work neatly organized.

9. $4x + 3y = 7$ $x =$ _____

     $2x - y = -9$ $y =$ _____

10. $3x - 5y = 14$ $x =$ _____

      $2x + 3y = 3$ $y =$ _____

11. $5x - 3y = 5$ $x =$ _____

      $3x - 4y = 1$ $y =$ _____

12. $7x - 3y = 4$ $x =$ _____

      $2x + 4y = -11$ $y =$ _____