

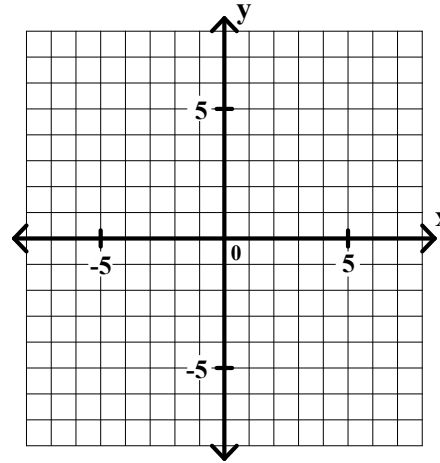
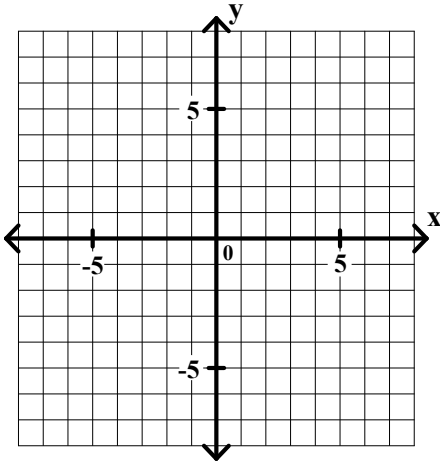
# Precalculus Worksheet #1 Chapter 9 page 1

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Use the graphing method to solve each of the following systems of equation.

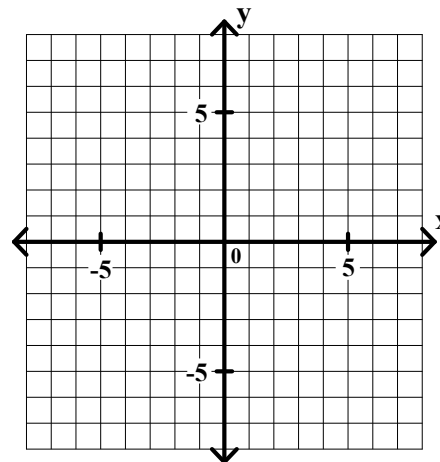
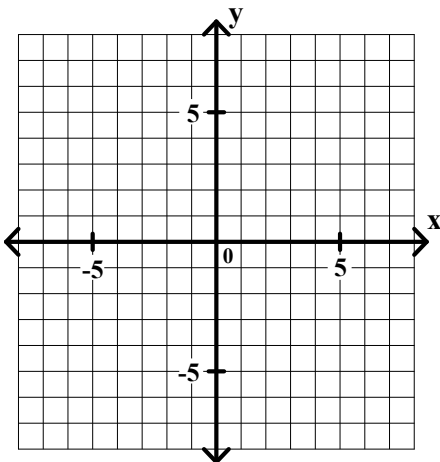
1.  $x - 2y = 8$   
 $x + y = 2$

2.  $3x + y = 6$   
 $3x + 4y = -12$



3.  $2x - 3y = 6$   
 $-5x + 3y = 3$

4.  $x - 2y = -6$   
 $5x - 2y = 10$



## Precalculus Worksheet #1 Chapter 9 page 2

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

5.  $2x + 3y = 19$  \_\_\_\_\_  
 $y = 4x - 3$

6.  $5x - 2y = -11$  \_\_\_\_\_  
 $y = x + 4$

7.  $3x - 5y = 16$  \_\_\_\_\_  
 $y = 3x - 2$

8.  $x = -2y + 1$  \_\_\_\_\_  
 $4x - 3y = 5$

## Precalculus Worksheet #1 Chapter 9 page 3

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

9. 
$$\begin{aligned} 4x + 3y &= 7 \\ 2x - y &= -9 \end{aligned}$$
 \_\_\_\_\_

10. 
$$\begin{aligned} 3x - 5y &= 14 \\ 2x + 3y &= 3 \end{aligned}$$
 \_\_\_\_\_

11. 
$$\begin{aligned} 5x - 3y &= 5 \\ 3x - 4y &= 1 \end{aligned}$$
 \_\_\_\_\_

12. 
$$\begin{aligned} 7x - 3y &= 4 \\ 2x + 4y &= -11 \end{aligned}$$
 \_\_\_\_\_