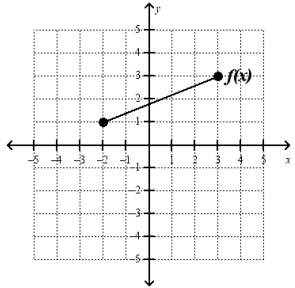


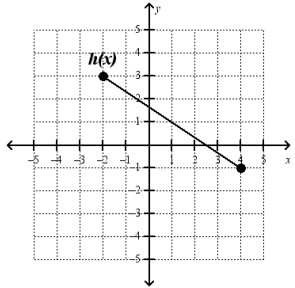
Assignment 5

Chapter 4

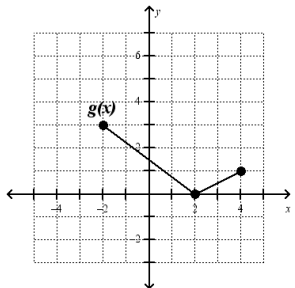
1. $f(x)$ is shown graph $g(x) = f(x) - 3$.



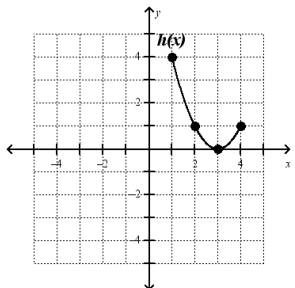
2. $h(x)$ is shown graph $f(x) = h(x+2)$.



3. $g(x)$ is shown graph $f(x) = 2g(x)$.



4. $h(x)$ is shown graph $g(x) = -h(x)$.



Solve the following systems algebraically using the elimination method by addition or subtraction.

1.

$$\begin{aligned}x + y &= 1 \\ 3x - y &= 7\end{aligned}$$

2.

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

3.

$$\begin{aligned}4x - 3y &= -10 \\ 2x + 3y &= 4\end{aligned}$$

4.

$$\begin{aligned}-3x - 7y &= -2 \\ 3x - 2y &= 11\end{aligned}$$

Name: _____

Solve the following systems algebraically using the elimination method by substitution..

1.

$$\begin{aligned}x &= 2y \\ x + 3y &= 15\end{aligned}$$

2.

$$\begin{aligned}y &= 5x \\ x - y &= -12\end{aligned}$$

3.

$$\begin{aligned}y &= x + 3 \\ x + y &= 11\end{aligned}$$

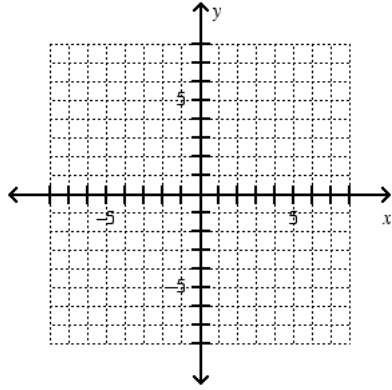
4.

$$\begin{aligned}x &= 3y - 5 \\ x - y &= 11\end{aligned}$$

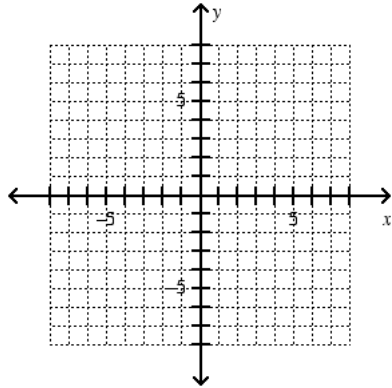
Chapter 5 and Chapter 6

Solve these systems by **graphing**. Use the intercept method.

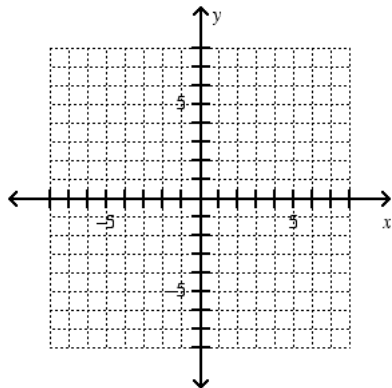
1.
 $3x + y = 6$
 $x - y = -2$



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



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



Chapter 2

Solve for the given variable.

1. $3c - 6 - c = 4$

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

3. $8y + 4 - 2y = 10$

4. $3a - 4a + 1 = 5$

5. $5 - x + 4x = 11$

6. $-7 = 2x + 6 - x$

Chapter 2

Solve for the given variable.

1. $-2(x + 3) = 4$

2. $3(x - 4) = -6$

3. $5t - 2(t + 3) = -9$

4. $x + 4(x + 1) = 19$

5. $3y - 2(4y - 5) = 10$

6. $2(x + 4) - 3x = 14$