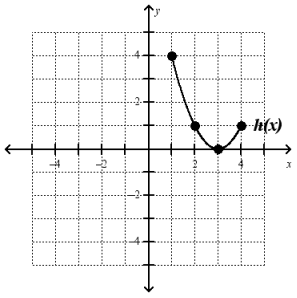
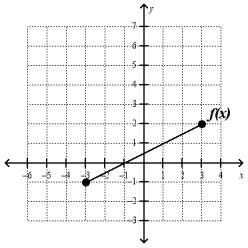
Assignment 6

Chapter 4

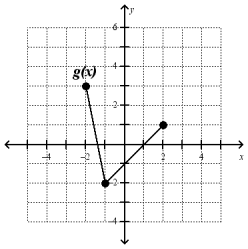
1. $h(x)$ is shown graph $g(x) = h(x+3) - 4$.



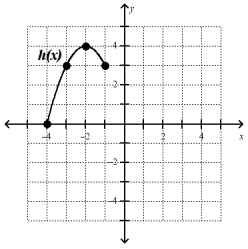
2. $f(x)$ is shown graph $g(x) = f(x+2) + 5$.



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



4. $h(x)$ is shown graph $g(x) = h(x-4) - 3$.



Chapter 6

Solve the systems algebraically using the elimination method by addition. With these you will have to multiply by "-1" first before adding.

1.

$$2x + y = 1$$
$$2x + 3y = 7$$

2.

$$x - 2y = -3$$
$$3x - 2y = 7$$

3.

$$x - y = 5$$
$$x - 4y = 14$$

4.

$$2x + y = 8$$
$$x + y = 2$$

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Solve the following systems algebraically.

1.

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

2.

$$3x + y = -1$$
$$3x + 4y = 14$$

3.

$$x - y = -5$$
$$x + 2y = 19$$

4.

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

Solve the following systems algebraically using the substitution method.

1.

$$x = 2y + 1$$
$$2x - y = 11$$

2.

$$y = 4x - 2$$
$$2x + 3y = 22$$

3.

$$y = x - 3$$
$$x + y = -7$$

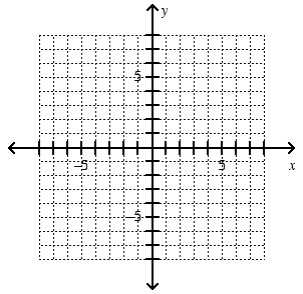
4.

$$y = 5 - x$$
$$3x - 2y = -15$$

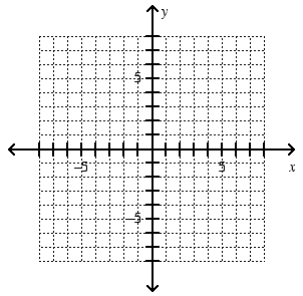
Chapter 5

Graph each equation show enough of the "good points".

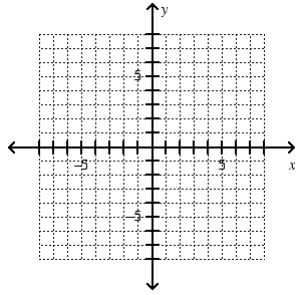
1. $y = 6$



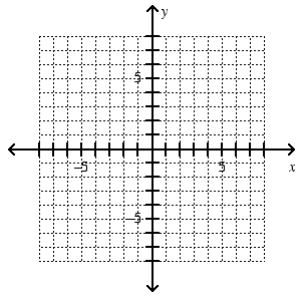
2. $y = 2x$



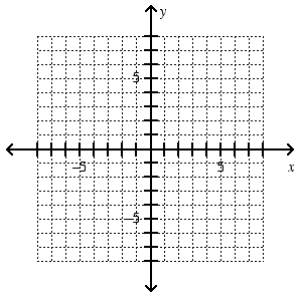
3. $x = -5$



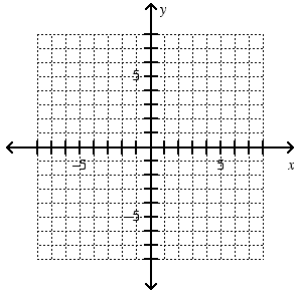
4. $y = -2x$



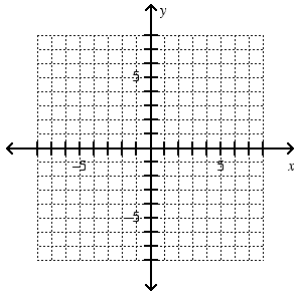
5. $y = -3x$



6. $y = -3$



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



8. $x = 5$