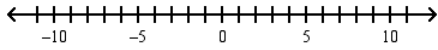
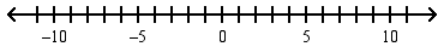


Assignment 14

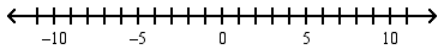
1. Graph: $x > 5$



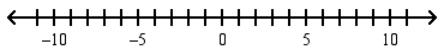
2. Graph: $x < -2$



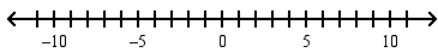
3. Graph: $x \leq 3$



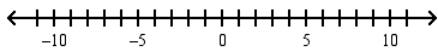
4. Graph: $x > -6$



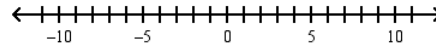
5. Graph: $x \geq -8$



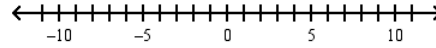
6. Graph: $x < 9$



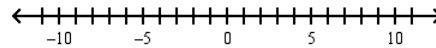
1. Solve and graph: $x - 3 > -5$



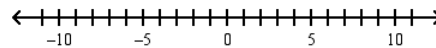
2. Solve and graph: $-3 - x \leq 1$



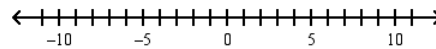
3. Solve and graph: $3 < 5 - x$



4. Solve and graph: $7 \geq 9 + x$



5. Solve and graph: $5 - x \leq -2$



Name: _____

Solve each equation for the given variable.

1. $2c - 5 = c + 4$

2. $6y = 8 - 9 + 7y$

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

4. $3a - 4a - 1 = 5a + 2 + 3$

5. $5 - x - 2 = 3 + 4x + 5$

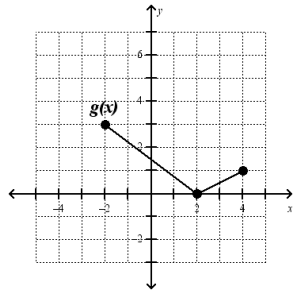
6. $-17 - 2x = 6 - x$

Function Practice

1.
Let $f(x) = -2x - 5$, find:

- a) $f(2)$
- b) $f(0)$
- c) $f(-2)$

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



3.
Let $f(x) = x^2 - 4$, find:

- a) $f(3)$
- b) $f(-1)$
- c) $f(-3)$

4.
Let $h(x) = \frac{2}{3}x + 1$ find:

- a) $h(9)$
- b) $h(3)$
- c) $h(-3)$

Systems Review: Solve each system.

1.

$$x = 8 - 2y$$

$$3x + y = 34$$

2.

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

$$6x + 4y = 28$$

3.

$$7x + 2y = 5$$

$$2x + 3y = 16$$

4.

$$y = 3x + 1$$

$$5x - 2y = 1$$

Graph each system and classify as independent and consistent, independent and inconsistent, or dependent.

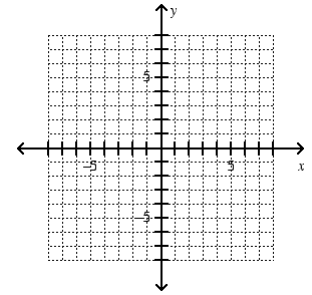
1.

$$y = \frac{3}{2}x - 1$$

$$y = 5$$

Classification: _____

Solution: _____



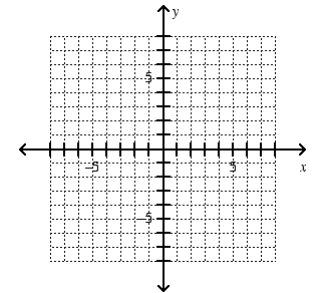
2.

$$y = 2x + 4$$

$$2x - y = 6$$

Classification: _____

Solution: _____



3.

$$y = -3x + 6$$

$$6x + 2y = 12$$

Classification: _____

Solution: _____

