

**Solve one-variable linear inequalities****1**

Solve the one-step inequality for x.

$$6 + x \leq 14$$

A

$$x \geq 8$$

B

$$x \leq 8$$

C

$$x \leq 9$$

D

$$x < 8$$

2

Solve the one-step inequality for x.

$$-2 + x < 8$$

A

$$x < 11$$

B

$$x < 10$$

C

$$x \leq 10$$

D

$$x > 10$$

3

Solve the one-step inequality for x.

$$\frac{x}{-5} > 7$$

A

$$x < -34$$

B

$$x \leq -35$$

C

$$x > -35$$

D

$$x < -35$$

4

Solve the one-step inequality for x.

$$6x > 18$$

A

$$x > 3$$

B

$$x < 3$$

C

$$x \geq 3$$

D

$$x > 4$$

5

Solve the one-step inequality for x.

$$\frac{x}{-3} < 9$$

A

$$x > -27$$

B

$$x \geq -27$$

C

$$x < -27$$

D

$$x > -26$$

6

Solve the one-step inequality for x.

$$8x > 48$$

A

$$x < 6$$

B

$$x > 7$$

C

$$x \geq 6$$

D

$$x > 6$$

7

What interval describes this range?

$$-6 \leq Y$$

A

$$(-\infty, -6]$$

B

$$[-6, \infty)$$

8

Solve the two-step inequality for x.

$$-11 + 6x > 31$$

A

$$x > 8$$

B

$$x \geq 7$$

C

$$x < 7$$

D

$$x > 7$$

**Solve one-variable linear inequalities****9**Solve the two-step inequality for x .

$$-2x + 8 < -4$$

A

$$x < 6$$

B

$$x > 6$$

C

$$x \geq 6$$

D

$$x > 7$$

10Solve the two-step inequality for x .

$$-6x + 4 \leq -56$$

A

$$x \geq 11$$

B

$$x \leq 10$$

C

$$x > 10$$

D

$$x \geq 10$$

11Solve the two-step inequality for x .

$$-5 + 6x < 13$$

A

$$x < 3$$

B

$$x \leq 3$$

C

$$x > 3$$

D

$$x < 4$$

12Solve the two-step inequality for x .

$$-3 - 6x \geq -75$$

A

$$x < 12$$

B

$$x \leq 13$$

C

$$x \leq 12$$

D

$$x \geq 12$$