



## Solve one-step inequalities

**1** Solve the one-step inequality for x.

$$-3x > -27$$

A

$$x \leq 9$$

B

$$x > 9$$

C

$$x < 10$$

D

$$x < 9$$

**2** Solve the one-step inequality for x.

$$-9x \leq -108$$

A

$$x \geq 12$$

B

$$x > 12$$

C

$$x \geq 13$$

D

$$x \leq 12$$

**3** Solve the one-step inequality for x.

$$6 + x < 12$$

A

$$x \leq 6$$

B

$$x < 7$$

C

$$x < 6$$

D

$$x > 6$$

**4** Solve the one-step inequality for x.

$$-5 + x \geq -4$$

A

$$x \leq 1$$

B

$$x \geq 2$$

C

$$x > 1$$

D

$$x \geq 1$$

**5** What interval describes this domain?

$$-\infty < X < \infty$$

A

$$(-\infty, \infty)$$

B

$$(-\infty, 2)$$

**6** Solve the one-step equation for x.

$$-9 + x = 1$$

A

$$x = 9$$

B

$$x = 12$$

C

$$x = 10$$

D

$$x = 11$$

**7** Which number line shows this range?

$$Y \leq 2$$

A



B





## Solve one-step inequalities

8 Does  $X = -4$  satisfy the inequality shown on this number line?



A

No

B

Yes

9 Solve the one-step inequality for  $x$ .

$$\frac{x}{-4} \geq 5$$

A  $x < -20$

B  $x \leq -19$

C  $x \geq -20$

D  $x \leq -20$

10 Solve the one-step inequality for  $x$ .

$$-9 + x < 1$$

A

$x < 11$

B

$x > 10$

C

$x < 10$

D

$x \leq 10$

11 Solve the one-step inequality for  $x$ .

$$\frac{x}{-3} > 2$$

A  $x < -5$

B  $x > -6$

C  $x < -6$

D  $x \leq -6$