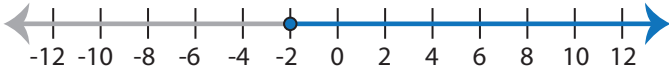


# Identifying Inequalities

ES1

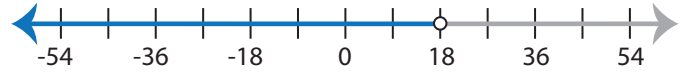
Choose the correct inequality that best describes each graph.

1)



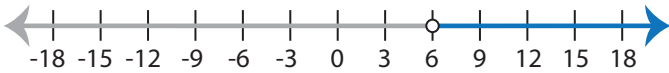
- a)  $x + 8 \geq 6$                       b)  $x + 8 < 6$   
 c)  $x + 8 > 6$                         d)  $x + 6 \leq 8$

2)



- a)  $\frac{x}{9} \geq 2$                               b)  $\frac{x}{9} > 2$   
 c)  $\frac{x}{2} < 9$                                 d)  $\frac{x}{2} \leq 9$

3)



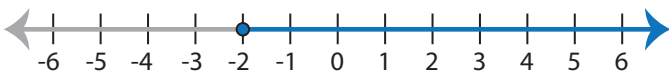
- a)  $5x \geq 30$                               b)  $5x > 30$   
 c)  $5x \leq 30$                               d)  $5x < 30$

4)



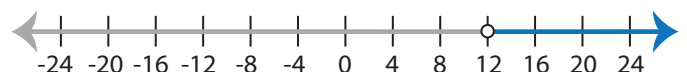
- a)  $x - 5 \geq 5$                               b)  $x - 5 < 5$   
 c)  $x - 5 \leq 5$                               d)  $x - 5 > 5$

5)



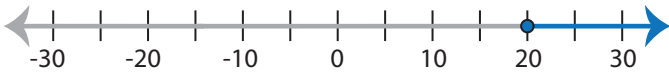
- a)  $3 + x > 1$                               b)  $3 + x < 1$   
 c)  $3 + x \geq 1$                               d)  $3 + x \leq 1$

6)



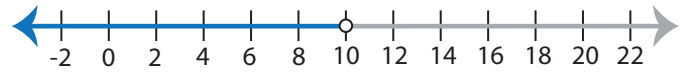
- a)  $2x > 24$                                 b)  $2x < 24$   
 c)  $2x \geq 24$                                 d)  $2x \leq 24$

7)



- a)  $\frac{x}{5} < 4$                                   b)  $\frac{x}{5} \geq 4$   
 c)  $\frac{x}{5} > 4$                                   d)  $\frac{x}{5} \leq 4$

8)



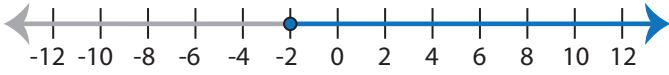
- a)  $x - 2 \leq 8$                                 b)  $x - 2 > 8$   
 c)  $x - 2 \geq 8$                                 d)  $x - 2 < 8$

**Answer key****Identifying Inequalities**

ES1

Choose the correct inequality that best describes each graph.

1)



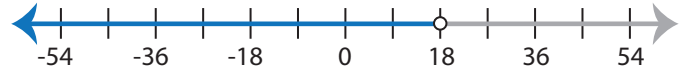
a)  $x + 8 \geq 6$

b)  $x + 8 < 6$

c)  $x + 8 > 6$

d)  $x + 6 \leq 8$

2)



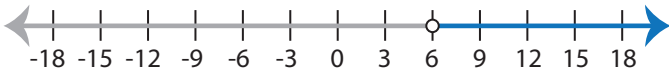
a)  $\frac{x}{9} \geq 2$

b)  $\frac{x}{9} > 2$

c)  $\frac{x}{2} < 9$

d)  $\frac{x}{2} \leq 9$

3)



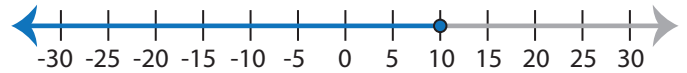
a)  $5x \geq 30$

b)  $5x > 30$

c)  $5x \leq 30$

d)  $5x < 30$

4)



a)  $x - 5 \geq 5$

b)  $x - 5 < 5$

c)  $x - 5 \leq 5$

d)  $x - 5 > 5$

5)



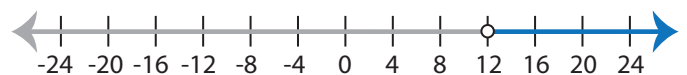
a)  $3 + x > 1$

b)  $3 + x < 1$

c)  $3 + x \geq 1$

d)  $3 + x \leq 1$

6)



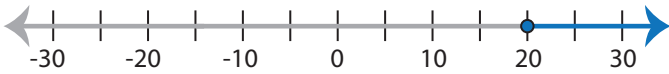
a)  $2x > 24$

b)  $2x < 24$

c)  $2x \geq 24$

d)  $2x \leq 24$

7)



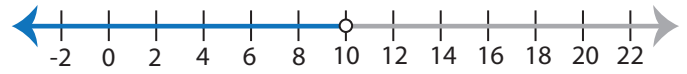
a)  $\frac{x}{5} < 4$

b)  $\frac{x}{5} \geq 4$

c)  $\frac{x}{5} > 4$

d)  $\frac{x}{5} \leq 4$

8)



a)  $x - 2 \leq 8$

b)  $x - 2 > 8$

c)  $x - 2 \geq 8$

d)  $x - 2 < 8$