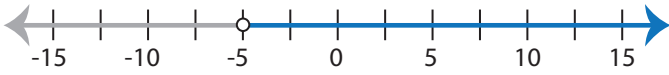


Identifying Inequalities

ES1

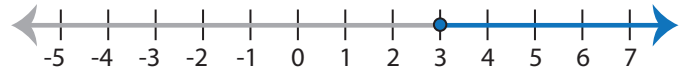
Choose the correct inequality that best describes each graph.

1)



- a) $x \leq 1 + \frac{6x}{5}$ b) $1 + \frac{6x}{5} > x$
 c) $1 + \frac{6x}{5} < x$ d) $x \geq 1 + \frac{6x}{5}$

2)



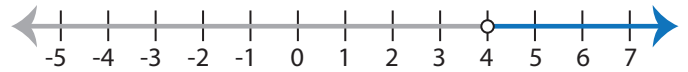
- a) $15 < 3(4x - 7)$ b) $3(4x - 7) \leq 15$
 c) $3(4x - 7) \geq 15$ d) $15 > 3(4x - 7)$

3)



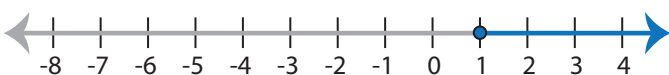
- a) $\frac{3x}{2} - x \leq 7$ b) $7 < \frac{3x}{2} - x$
 c) $7 > \frac{3x}{2} - x$ d) $\frac{3x}{2} - x \geq 7$

4)



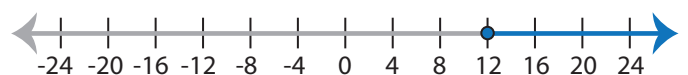
- a) $\frac{9x - 14}{11} < 2$ b) $2 \leq \frac{9x - 14}{11}$
 c) $2 \geq \frac{9x - 14}{11}$ d) $\frac{9x - 14}{11} > 2$

5)



- a) $25 \geq 5(2x + 3)$ b) $5(2x + 3) < 25$
 c) $5(2x + 3) > 25$ d) $25 \leq 5(2x + 3)$

6)



- a) $\frac{5x}{6} + x \geq 22$ b) $22 < x + \frac{5x}{6}$
 c) $22 > x + \frac{5x}{6}$ d) $\frac{5x}{6} + x \leq 22$

7)



- a) $\frac{7x + 9}{5} > 6$ b) $6 \geq \frac{7x + 9}{5}$
 c) $6 \leq \frac{7x + 9}{5}$ d) $\frac{7x + 9}{5} < 6$

8)



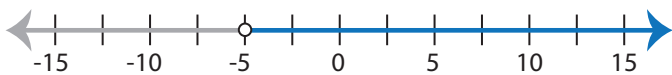
- a) $9 > x - \frac{10x}{7}$ b) $\frac{10x}{7} - x \geq 9$
 c) $\frac{10x}{7} - x \leq 9$ d) $9 < x - \frac{10x}{7}$

Identifying Inequalities

ES1

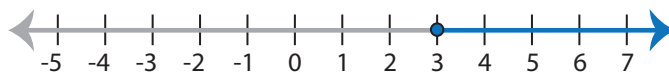
Choose the correct inequality that best describes each graph.

1)



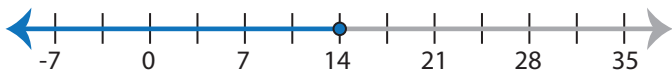
- a) $x \leq 1 + \frac{6x}{5}$ b) $1 + \frac{6x}{5} > x$
 c) $1 + \frac{6x}{5} < x$ d) $x \geq 1 + \frac{6x}{5}$

2)



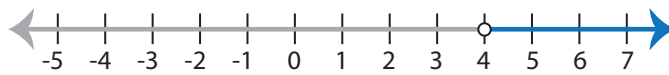
- a) $15 < 3(4x - 7)$ b) $3(4x - 7) \leq 15$
 c) $3(4x - 7) \geq 15$ d) $15 > 3(4x - 7)$

3)



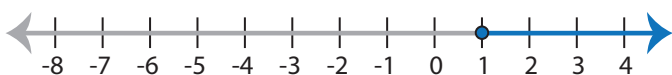
- a) $\frac{3x}{2} - x \leq 7$ b) $7 < \frac{3x}{2} - x$
 c) $7 > \frac{3x}{2} - x$ d) $\frac{3x}{2} - x \geq 7$

4)



- a) $\frac{9x - 14}{11} < 2$ b) $2 \leq \frac{9x - 14}{11}$
 c) $2 \geq \frac{9x - 14}{11}$ d) $\frac{9x - 14}{11} > 2$

5)



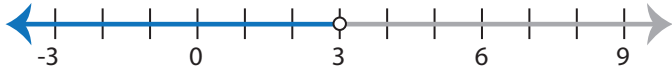
- a) $25 \geq 5(2x + 3)$ b) $5(2x + 3) < 25$
 c) $5(2x + 3) > 25$ d) $25 \leq 5(2x + 3)$

6)



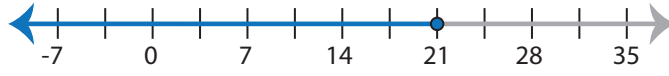
- a) $\frac{5x}{6} + x \geq 22$ b) $22 < x + \frac{5x}{6}$
 c) $22 > x + \frac{5x}{6}$ d) $\frac{5x}{6} + x \leq 22$

7)



- a) $\frac{7x + 9}{5} > 6$ b) $6 \geq \frac{7x + 9}{5}$
 c) $6 \leq \frac{7x + 9}{5}$ d) $\frac{7x + 9}{5} < 6$

8)



- a) $9 > x - \frac{10x}{7}$ b) $\frac{10x}{7} - x \geq 9$
 c) $\frac{10x}{7} - x \leq 9$ d) $9 < x - \frac{10x}{7}$