Name : _____ Score : _____

Identifying Inequalities

MS2

Choose the correct inequality that best describes each graph.

1)

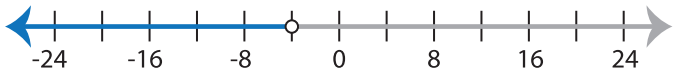
a) $-6 \le \frac{2x-4}{5}$

b) $\frac{2x-4}{5} > -6$

c) $\frac{2x-4}{5} < -6$

d) $-6 \ge \frac{2x-4}{5}$

2)



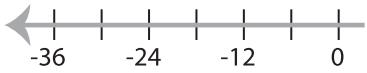
a) $-11 - x < \frac{3x}{2} - 1$

b) $1 + \frac{3x}{2} < 11 + x$

c) $1 + \frac{3x}{2} > 11 + x$

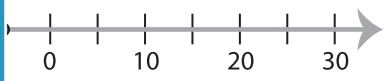
d) $-11 - x > \frac{3x}{2} - 1$

3)



a) $\frac{8x}{3} + x \ge 22$

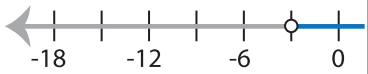
c) $22 > x + \frac{8x}{3}$



b) $9(4x + 15) < -45$

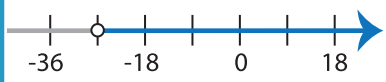
d) $-45 \le 9(4x + 15)$

5)



a) $2(5x + 1) \le -28$

c) $-28 < 2(5x + 1)$



b) $3 < x - \frac{10x}{9}$

d) $\frac{10x}{9} - x \le 3$

7)

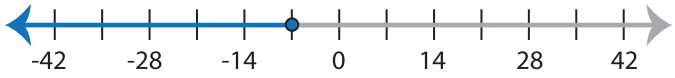
a) $-14 \ge \frac{3x}{4} + x$

b) $\frac{3x}{4} + x < -14$

c) $\frac{3x}{4} + x > -14$

d) $-14 \le \frac{3x}{4} + x$

8)



a) $-7 \le \frac{9x + 21}{6}$

b) $-7 \ge \frac{9x + 21}{6}$

c) $\frac{9x + 21}{6} > -7$

d) $\frac{9x + 21}{6} < -7$