

Identifying Solutions

MS1

Choose the correct solution that best describes each inequality.

1) $7 < \frac{4x-7}{3}$

- a) $(-\infty, 7)$ b) $(7, \infty)$
 c) $(-\infty, 7]$ d) $[7, \infty)$

2) $5x + \frac{x}{2} \leq 33$

- a) $(-\infty, 6]$ b) $(-\infty, 6)$
 c) $[6, \infty)$ d) $(6, \infty)$

3) $\frac{18-3x}{6} \geq x$

- a) $(-\infty, 2)$ b) $(-2, \infty)$
 c) $(-\infty, 2]$ d) $[2, \infty)$

5) $x + 2 > \frac{4x}{3}$

- a) $(-\infty, 6)$ b) $(12, \infty)$
 c) $(-\infty, 6]$ d) $[12, \infty)$

7) $16 < 2(3x + 5)$

- a) $(-\infty, -1)$ b) $[1, \infty)$
 c) $(-\infty, 1]$ d) $(1, \infty)$

8) $\frac{-6x+1}{7} \geq 7$

- a) $(-\infty, -8]$ b) $[-8, \infty)$
 c) $(-\infty, 8)$ d) $(-8, \infty)$

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