

Identifying Solutions

MS2

Choose the correct solution that best describes each inequality.

1) $64 < 2(3x + 5)$

- a) $(-\infty, 9)$ b) $[9, \infty)$
 c) $(-\infty, 9]$ d) $(9, \infty)$

2) $x + 3 > \frac{4x}{7}$

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

3) $\frac{-5x + 3}{3} \geq 6$

- a) $(-\infty, 3)$
 c) $(-\infty, -3]$

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x

- b) $(-20, \infty)$
 d) $(-\infty, -20)$

5) $x + \frac{x}{2} \leq -57$

- a) $(-\infty, 38)$
 c) $(-\infty, -38]$

4

- b) $(-3, \infty)$
 d) $[3, \infty)$

7) $\frac{x-3}{6} + 2 > 4$

- a) $(15, \infty)$ b) $[-15, \infty)$
 c) $(-\infty, 15]$ d) $(-\infty, -15)$

8) $\frac{20-3x}{2} \geq x$

- a) $(-\infty, 4)$ b) $[-4, \infty)$
 c) $(-\infty, 4]$ d) $(-4, \infty)$