

Identifying Solutions

MS4

Choose the correct solution that best describes each inequality.

1) $4 \geq 7x - 24$

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

2) $-5 < \frac{x}{4} - 13$

- a) $[32, \infty)$ b) $(-\infty, 32)$
 c) $(-\infty, -32)$ d) $(32, \infty)$

3) $\frac{x+7}{9} > 6$

- a) $(-47, \infty)$
 c) $(47, \infty)$

- b) $[-2, \infty)$
 d) $(2, \infty)$

5) $42 \geq 4x + 6$

- a) $(-\infty, -9)$
 c) $(-\infty, 9]$

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

7) $11 > -25 - 2x$

- a) $(-\infty, -18]$
 c) $(-\infty, 18)$

- d) $[18, \infty)$

- c) $[-78, \infty)$

- b) $(-78, \infty)$
 d) $(-\infty, -78]$

9) $16 < \frac{x-8}{5}$

- a) $(88, \infty)$ b) $(-\infty, 88)$
 c) $(-\infty, -88)$ d) $[88, \infty)$

10) $-9 \leq 6x + 15$

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

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