

Two-Step Inequalities

Choose the solution that describes each inequality.

1) $\frac{x}{7} - 5 > 1$

- a) $[42, \infty)$ b) $(-\infty, 42)$
 c) $(-\infty, -42)$ d) $(42, \infty)$

2) $10x + 14 \leq 4$

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

Preview

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- a) $(-\infty, -8)$ b) $(-\infty, 8]$ a) $(-\infty, 3]$ b) $(-3, \infty)$
 c) $[-8, \infty)$ d) $(8, \infty)$ c) $(-\infty, 3)$ d) $[3, \infty)$

9) $8 + 5x < 28$

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

10) $\frac{x-7}{3} \geq 13$

- a) $[46, \infty)$ b) $(-\infty, 46]$
 c) $(-\infty, -46]$ d) $[-46, \infty)$