Two-Step Inequalities

Choose the solution that describes each inequality.

1) $4 + 2x > 18$

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

2) $6x - 3 \geq 21$

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

Preview

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

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

9) $9x - 15 < 3$

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

10) $\dfrac{x - 4}{7} \leq 3$

   a) $(-\infty, 25)$ b) $(-\infty, 25]$
   c) $(25, \infty)$ d) $[25, \infty)$