Multi-Step Inequalities

Choose the solution that describes each inequality.

1) $x + \dfrac{3x}{4} \geq 28$

   a) $(-\infty, 16)$ b) $[16, \infty)$

   c)

2) $\dfrac{7x}{3} - x > 12$

   a) $(9, \infty)$ b) $(-9, \infty)$

3)

   a)

   c)

5)

   a)

   c) $[-2, \infty)$ d) $[2, \infty)$

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

7) $\dfrac{x}{7} + 2x \geq 15$

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

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

8) $7(6 + 2x) > 56$

   a) $[1, \infty)$ b) $(-\infty, -1)$

   c) $(-1, \infty)$ d) $(1, \infty)$

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