Identifying Solutions

Choose the correct solution that best describes each inequality.

1) $11x + 6 \geq 17$

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

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

2) $\dfrac{x - 10}{4} < 13$

   a) $[-62, \infty)$ b) $(-\infty, 62]$

   c) $(-\infty, 62)$ d) $(62, \infty)$

3) $\dfrac{x}{5} - 3 > 14$

   a) $(-\infty, 85]$ b) $(-\infty, 2]$

   c) $(85, \infty)$ d) $[-2, \infty)$

5) $\dfrac{x + 5}{8} < 4$

   a) $(-\infty, -27]$ b) $(-16, \infty)$

   c) $[27, \infty)$ d) $[16, \infty)$

7) $13 + 9x \leq 22$

   a) $(-\infty, 1]$ b) $(9, \infty)$

   c) $(1, \infty)$ d) $(-\infty, -1)$ c) $(-9, \infty)$ d) $(-\infty, 9]$

9) $7x - 4 > 24$

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

   c) $(-4, \infty)$ d) $(4, \infty)$

10) $2 + 2x < 16$

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

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

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