One-Step Inequalities

Choose the solution that describes each inequality.

1) $x + 8 > 23$

a) $(15, \infty)$ b) $(-\infty, 15]$

c) $(-\infty, 15)$ d) $[15, \infty)$

2) $5x > 35$

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

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

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a) $(35, \infty)$ b) $(-\infty, 35)$

c) $[-35, -\infty)$ d) $(-\infty, 35]$

a) $(-\infty, 17]$ b) $[17, \infty)$

c) $(17, \infty)$ d) $(-\infty, 17)$

9) $4x < 12$

a) $(-\infty, 3]$ b) $(-\infty, 3)$

c) $[3, \infty)$ d) $[-3, \infty)$

10) $\dfrac{x}{6} > 1$

a) $(6, \infty)$ b) $[6, \infty)$

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