Solve & Graph Compound Inequalities

1. Solve each compound inequality for x, and graph the solution on a number line.

a) $x - 2 < 6$ or $\frac{x}{3} > 4$

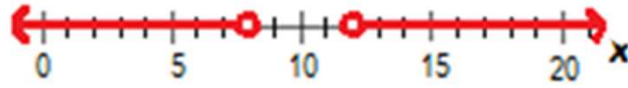b) $-6 < \frac{x+1}{4} < 3$

c) $5x \leq 21 + 2x$ or $3(x + 1) \geq 24$

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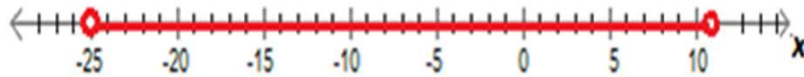1. Solve each compound inequality for x, and graph the solution on a number line.

a) $x - 2 < 6$ or $\frac{x}{3} > 4$

_$x < 8 \ or \ x > 12$_

b) $-6 < \frac{x+1}{4} < 3$

_$-25 < x < 11$_

c) $5x \leq 21 + 2x$ or $3(x + 1) \geq 24$

$x \leq 7 \ or \ x \geq 7$

→ all real numbers

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