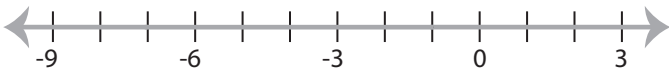


Solving & Graphing Inequalities

Multi-step: S1

Solve each problem and graph the solutions.

1) $-6 < \frac{2x - 4}{3} < -2$



2) $2(5x - 13) \leq 4$ or $72 \geq 3(2x + 6)$



3) $\frac{3x + 4}{2} > -1$ and $5 > 2x - 1$



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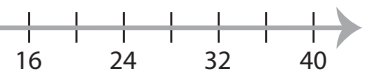
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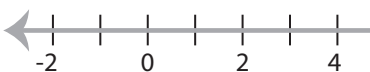
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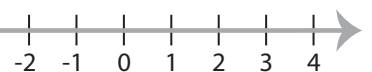
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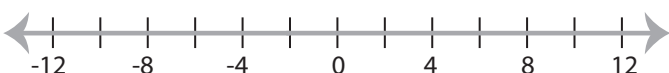
5) $3(2x - 15) \geq -9$ or $-5 < 2x - 1$



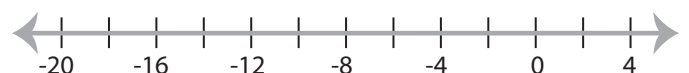
6) $5 < 2x - 1$ and $2(-9 - 8x) \geq 30$



7) $-3 < \frac{x}{2} + x$ and $42 > 2(6x + 9)$



8) $2(3x + 28) < -16$ or $\frac{5x - 31}{7} \geq -3$



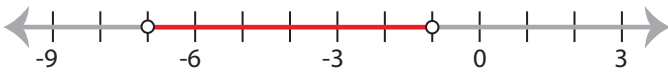
Solving & Graphing Inequalities

Multi-step: S1

Solve each problem and graph the solutions.

1) $-6 < \frac{2x - 4}{3} < -2$

$$-7 < x < -1$$



2) $2(5x - 13) \leq 4$ or $72 \geq 3(2x + 6)$

$$x \leq 9$$



3) $\frac{3x + 4}{2} > -1$ and $5 > 2x + 1$

$$-2 < x < 1$$



PREVIEW

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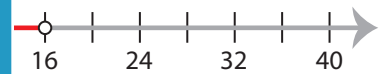
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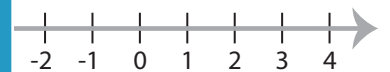


5) $3(2x - 15) \geq -9$ or $-2x + 1 > 5$

$$x \leq 5 \text{ or } x \geq 6$$

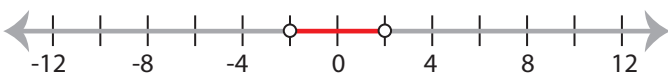


6) $5 > 2x + 1$ and $2(-9 - 8x) \geq 30$



7) $-3 < \frac{x}{2} + x$ and $42 > 2(6x + 9)$

$$-2 < x < 2$$



8) $2(3x + 28) < -16$ or $\frac{5x - 31}{7} \geq -3$

$$x < -12 \text{ or } x \geq 2$$

