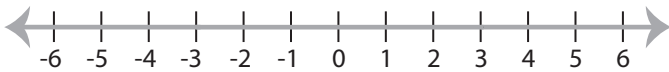


Solving & Graphing Inequalities

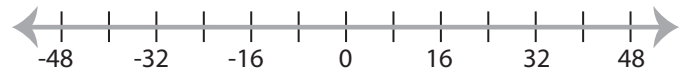
Multi-step: S3

Solve each problem and graph the solutions.

1) $9(5x + 12) > -27$ and $26 > -2(5 - 6x)$



2) $6(2x + 8) < -48$ or $2 \geq \frac{3x - 14}{5}$

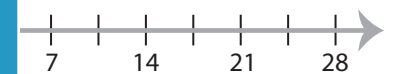
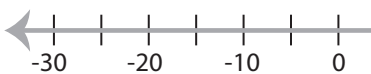


3) $-2(4x + 21) \geq -10$ and

or $5(8x - 22) \leq -30$



5) $-4 > \frac{x}{5} - x$ or $10 > 2x - 14$



PREVIEW

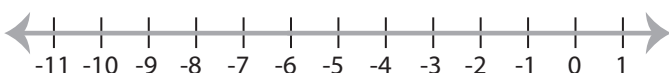
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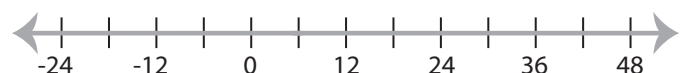
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7) $\frac{8x - 32}{3} > -24$ or $\frac{4x + 48}{3} > 8$



8) $11 \geq 3x - \frac{7x}{6} > -22$



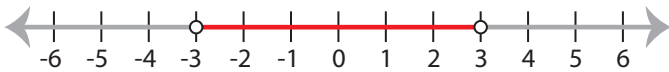
Solving & Graphing Inequalities

Multi-step: S3

Solve each problem and graph the solutions.

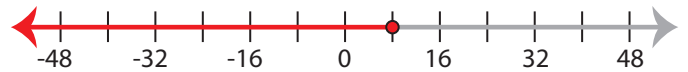
1) $9(5x + 12) > -27$ and $26 > -2(5 - 6x)$

$$-3 < x < 3$$



2) $6(2x + 8) < -48$ or $2 \geq \frac{3x - 14}{5}$

$$x \leq 8$$

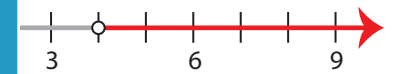


3) $-2(4x + 21) \geq -10$ and

$$x \leq -4$$

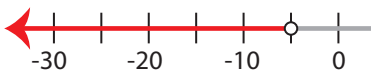


or $5(8x - 22) \leq -30$

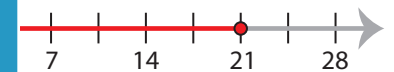


5) $-4 > \frac{x}{5} - x$ or $10 > 2x$

$$x < -5 \text{ or } x > 5$$



14



PREVIEW

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7) $\frac{8x - 32}{3} > -24$ or $\frac{4x + 48}{3} > 8$

$$x > -6$$



8) $11 \geq 3x - \frac{7x}{6} > -22$

$$-12 < x \leq 6$$

