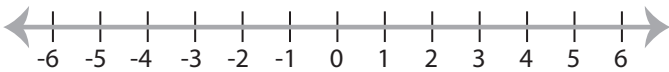


Solving & Graphing Inequalities

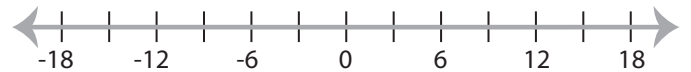
Multi-step: S2

Solve each problem and graph the solutions.

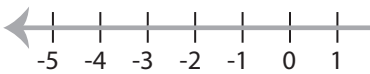
$$1) \frac{4x - 28}{3} \geq -12 \text{ or } 1 < \frac{2x + 7}{5}$$



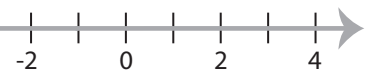
$$2) -14 > 7(2x + 10) \text{ and } -11 < \frac{x}{3} - 4x$$



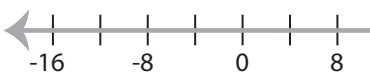
$$3) 2(7x - 16) \leq 24 \text{ and } \frac{6x - 9}{5} \geq -3$$



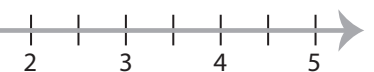
$$\frac{6x - 9}{5} \geq -3$$



$$5) 19 > \frac{5x + 18}{2} > -11$$



$$! \leq 22$$



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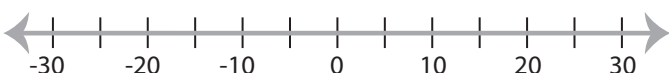
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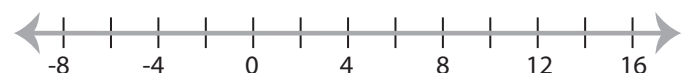
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$$7) 2(9x - 38) \leq 14 \text{ and } -2 > \frac{1}{8}(6x + 14)$$



$$8) 3(4x + 6) \leq -30 \text{ or } 21 < 7(2x - 17)$$



Solving & Graphing Inequalities

Multi-step: S2

Solve each problem and graph the solutions.

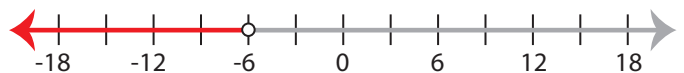
$$1) \frac{4x - 28}{3} \geq -12 \text{ or } 1 < \frac{2x + 7}{5}$$

$$x \geq -2$$



$$2) -14 > 7(2x + 10) \text{ and } -11 < \frac{x}{3} - 4x$$

$$x < -6$$

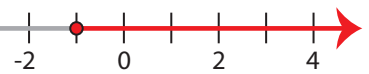


$$3) 2(7x - 16) \leq 24 \text{ and } 5x - 1 > -11$$

$$x < -3$$

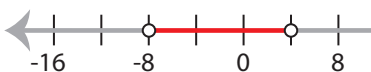


$$\frac{6x - 9}{5} \geq -3$$

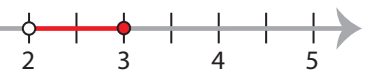


$$5) 19 > \frac{5x + 18}{2} > -11$$

$$-8 < x < 4$$



$$x \leq 22$$



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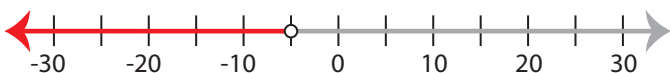
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$$7) 2(9x - 38) \leq 14 \text{ and } -2 > \frac{1}{8}(6x + 14)$$

$$x < -5$$



$$8) 3(4x + 6) \leq -30 \text{ or } 21 < 7(2x - 17)$$

$$x \leq -4 \text{ or } x > 10$$

