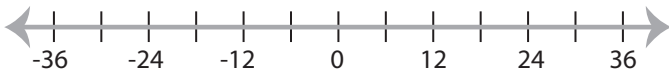


## Solving & Graphing Inequalities

DS2

Solve each inequality and graph the solution.

$$1) \frac{1}{x-16} \geq \frac{1}{5x+8}$$



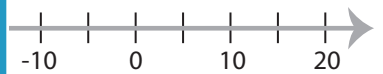
$$2) -5 \leq \frac{4x}{7} - \frac{x}{3}$$



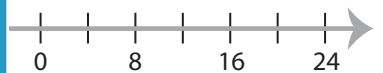
$$3) \frac{1}{3}(8x+10) > x$$



11)



$$5) 1 \geq \frac{7x+12}{x-6}$$



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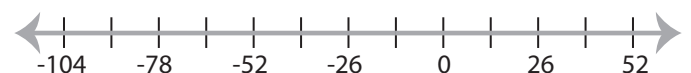
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$$7) \frac{1}{2} < \frac{x}{8} - \frac{x}{4}$$



$$8) -3 > \frac{2x-1}{9}$$



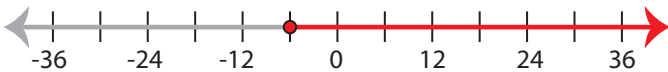
## Solving & Graphing Inequalities

DS2

Solve each inequality and graph the solution.

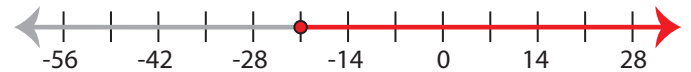
$$1) \frac{1}{x-16} \geq \frac{1}{5x+8}$$

$$x \geq -6$$



$$2) -5 \leq \frac{4x}{7} - \frac{x}{3}$$

$$x \geq -21$$



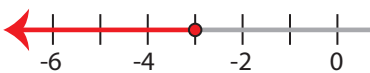
$$3) \frac{1}{3}(8x+10) > x$$

$$x > -2$$



$$5) 1 \geq \frac{7x+12}{x-6}$$

$$x \leq -3$$



$$7) \frac{1}{2} < \frac{x}{8} - \frac{x}{4}$$

$$x < -4$$



$$8) -3 > \frac{2x-1}{9}$$

$$x < -13$$



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