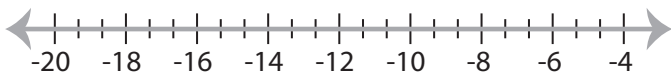


## Solving & Graphing Inequalities

Fractions: S5

Solve each inequality and graph the solution.

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



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



3)  $\frac{7}{2} \geq x - \frac{9}{4}$



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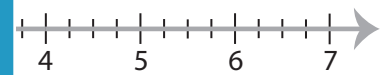
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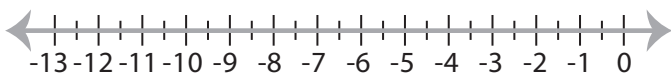
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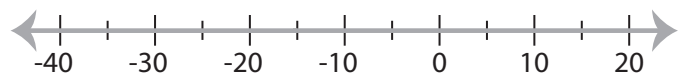
5)  $x + \frac{9}{2} > \frac{1}{6}$



7)  $-\frac{9}{16} \leq \frac{3}{8}x$



8)  $-9 \geq \frac{3}{2} + x$



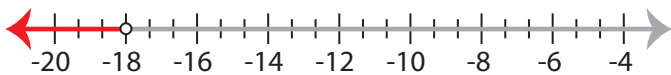
**Solving & Graphing Inequalities**

Fractions: S5

Solve each inequality and graph the solution.

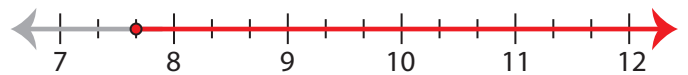
1)  $\frac{x}{6} < -3$

$x < -18$



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

$x \geq 7\frac{2}{3}$



3)  $\frac{7}{2} \geq x - \frac{9}{4}$

$x \leq 5\frac{3}{4}$



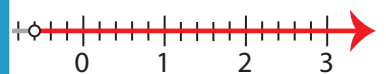
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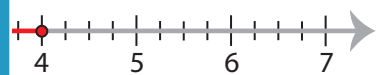
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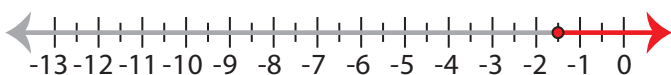
5)  $x + \frac{9}{2} > \frac{1}{6}$

$x > -4\frac{1}{3}$



7)  $-\frac{9}{16} \leq \frac{3}{8}x$

$x \geq -1\frac{1}{2}$



8)  $-9 \geq \frac{3}{2} + x$

$x \leq -10\frac{1}{2}$

