

## Solving Linear Inequalities (B)

Solve each inequality for the given variable.

1.  $9 + \frac{9h}{6} > -9$

2.  $-\frac{7c}{-6} - 9 > -3$

3.  $-\frac{6b}{2} - 6 < -4$

4.  $4 - \frac{3q}{4} > 8$

5.  $\frac{9j}{-2} + 9 \leq -1$

6.  $-8 \geq -\frac{4n}{5} + 1$

7.  $7 < -8 - \frac{2g}{8}$

8.  $-\frac{3j}{-5} - 1 \geq 7$

9.  $\frac{9q}{-3} - 2 > -1$

10.  $6 - \frac{4n}{5} \leq 1$

## Solving Linear Inequalities (B) Answers

Solve each inequality for the given variable.

1.  $9 + \frac{9h}{6} > -9$

$$h > -12$$

2.  $-\frac{7c}{-6} - 9 > -3$

$$c > 5\frac{1}{7}$$

3.  $-\frac{6b}{2} - 6 < -4$

$$b > -\frac{2}{3}$$

4.  $4 - \frac{3q}{4} > 8$

$$q < -5\frac{1}{3}$$

5.  $\frac{9j}{-2} + 9 \leq -1$

$$j \geq 2\frac{2}{9}$$

6.  $-8 \geq -\frac{4n}{5} + 1$

$$n \geq 11\frac{1}{4}$$

7.  $7 < -8 - \frac{2g}{8}$

$$g < -60$$

8.  $-\frac{3j}{-5} - 1 \geq 7$

$$j \geq 13\frac{1}{3}$$

9.  $\frac{9q}{-3} - 2 > -1$

$$q < -\frac{1}{3}$$

10.  $6 - \frac{4n}{5} \leq 1$

$$n \geq 6\frac{1}{4}$$