

## Solving Linear Inequalities (E)

Solve each inequality for the given variable.

1.  $-5 - \frac{4f}{-7} \geq -9$

2.  $\frac{5c}{-9} - 5 \leq -4$

3.  $-7 \leq 6 + \frac{3p}{-9}$

4.  $6 \leq 2 - \frac{9c}{8}$

5.  $2 \geq -\frac{2a}{-7} + 8$

6.  $3 + \frac{t}{-8} > 8$

7.  $-4 > -\frac{3m}{-4} + 7$

8.  $3 + \frac{5g}{-6} \leq 7$

9.  $\frac{3d}{-9} + 2 > 6$

10.  $-2 \leq 6 - \frac{8r}{-2}$

## Solving Linear Inequalities (E) Answers

Solve each inequality for the given variable.

1.  $-5 - \frac{4f}{-7} \geq -9$

$$f \geq -7$$

2.  $\frac{5c}{-9} - 5 \leq -4$

$$c \geq -1\frac{4}{5}$$

3.  $-7 \leq 6 + \frac{3p}{-9}$

$$p \leq 39$$

4.  $6 \leq 2 - \frac{9c}{8}$

$$c \leq -3\frac{5}{9}$$

5.  $2 \geq -\frac{2a}{-7} + 8$

$$a \leq -21$$

6.  $3 + \frac{t}{-8} > 8$

$$t < -40$$

7.  $-4 > -\frac{3m}{-4} + 7$

$$m < -14\frac{2}{3}$$

8.  $3 + \frac{5g}{-6} \leq 7$

$$g \geq -4\frac{4}{5}$$

9.  $\frac{3d}{-9} + 2 > 6$

$$d < -12$$

10.  $-2 \leq 6 - \frac{8r}{-2}$

$$r \geq -2$$