

## Solving Linear Inequalities (A)

Solve each inequality for the given variable.

1.  $4 \leq 4 + z$

2.  $g - 4 \leq -8$

3.  $5 \leq -b - 4$

4.  $7 \geq -q + 9$

5.  $6 - n \leq -5$

6.  $1 > -a + 3$

7.  $-n + 3 > 6$

8.  $-8 - a \geq -5$

9.  $5 - r < -8$

10.  $6 \leq -w + 2$

## Solving Linear Inequalities (A) Answers

Solve each inequality for the given variable.

1.  $4 \leq 4 + z$

$$z \geq 0$$

2.  $g - 4 \leq -8$

$$g \leq -4$$

3.  $5 \leq -b - 4$

$$b \leq -9$$

4.  $7 \geq -q + 9$

$$q \geq 2$$

5.  $6 - n \leq -5$

$$n \geq 11$$

6.  $1 > -a + 3$

$$a > 2$$

7.  $-n + 3 > 6$

$$n < -3$$

8.  $-8 - a \geq -5$

$$a \leq -3$$

9.  $5 - r < -8$

$$r > 13$$

10.  $6 \leq -w + 2$

$$w \leq -4$$

## Solving Linear Inequalities (B)

Solve each inequality for the given variable.

1.  $3 < x + 5$

2.  $-d - 2 \geq -1$

3.  $-3 \leq b + 9$

4.  $-7 - y > -2$

5.  $-9 - t > 9$

6.  $2 > -c - 3$

7.  $1 > -r - 7$

8.  $9 < -8 - w$

9.  $-b - 4 \leq -4$

10.  $3 > -m + 8$

## Solving Linear Inequalities (B) Answers

Solve each inequality for the given variable.

1.  $3 < x + 5$

$$x > -2$$

2.  $-d - 2 \geq -1$

$$d \leq -1$$

3.  $-3 \leq b + 9$

$$b \geq -12$$

4.  $-7 - y > -2$

$$y < -5$$

5.  $-9 - t > 9$

$$t < -18$$

6.  $2 > -c - 3$

$$c > -5$$

7.  $1 > -r - 7$

$$r > -8$$

8.  $9 < -8 - w$

$$w < -17$$

9.  $-b - 4 \leq -4$

$$b \geq 0$$

10.  $3 > -m + 8$

$$m > 5$$

## Solving Linear Inequalities (C)

Solve each inequality for the given variable.

1.  $-6 - g \leq -4$

2.  $4 < -f - 4$

3.  $-6 \geq j - 4$

4.  $-5 > -4 + d$

5.  $-4 - g \geq -8$

6.  $-p - 1 > -4$

7.  $8 < 7 + m$

8.  $3 - x \geq -7$

9.  $-7 \geq -z + 3$

10.  $-3 \leq w + 7$

## Solving Linear Inequalities (C) Answers

Solve each inequality for the given variable.

1.  $-6 - g \leq -4$

$$g \geq -2$$

2.  $4 < -f - 4$

$$f < -8$$

3.  $-6 \geq j - 4$

$$j \leq -2$$

4.  $-5 > -4 + d$

$$d < -1$$

5.  $-4 - g \geq -8$

$$g \leq 4$$

6.  $-p - 1 > -4$

$$p < 3$$

7.  $8 < 7 + m$

$$m > 1$$

8.  $3 - x \geq -7$

$$x \leq 10$$

9.  $-7 \geq -z + 3$

$$z \geq 10$$

10.  $-3 \leq w + 7$

$$w \geq -10$$

## Solving Linear Inequalities (D)

Solve each inequality for the given variable.

1.  $2 - k \geq -4$

2.  $8 > -8 + h$

3.  $5 \leq y + 8$

4.  $5 - g \geq -9$

5.  $4 \geq -p + 1$

6.  $-2 \geq -a - 7$

7.  $w + 4 > 8$

8.  $-d + 7 \leq 9$

9.  $6 + k \geq -6$

10.  $s + 4 \leq 3$

## Solving Linear Inequalities (D) Answers

Solve each inequality for the given variable.

1.  $2 - k \geq -4$

$$k \leq 6$$

2.  $8 > -8 + h$

$$h < 16$$

3.  $5 \leq y + 8$

$$y \geq -3$$

4.  $5 - g \geq -9$

$$g \leq 14$$

5.  $4 \geq -p + 1$

$$p \geq -3$$

6.  $-2 \geq -a - 7$

$$a \geq -5$$

7.  $w + 4 > 8$

$$w > 4$$

8.  $-d + 7 \leq 9$

$$d \geq -2$$

9.  $6 + k \geq -6$

$$k \geq -12$$

10.  $s + 4 \leq 3$

$$s \leq -1$$



## Solving Linear Inequalities (E)

Solve each inequality for the given variable.

1.  $-h - 3 > -3$

2.  $a + 4 < 2$

3.  $9 + x < -5$

4.  $1 + a \leq 1$

5.  $1 - m > 5$

6.  $2 \geq 4 + y$

7.  $-4 \geq -z - 3$

8.  $j + 8 > -3$

9.  $-b + 4 \geq -9$

10.  $-g + 3 > 7$

## Solving Linear Inequalities (E) Answers

Solve each inequality for the given variable.

1.  $-h - 3 > -3$

$$h < 0$$

2.  $a + 4 < 2$

$$a < -2$$

3.  $9 + x < -5$

$$x < -14$$

4.  $1 + a \leq 1$

$$a \leq 0$$

5.  $1 - m > 5$

$$m < -4$$

6.  $2 \geq 4 + y$

$$y \leq -2$$

7.  $-4 \geq -z - 3$

$$z \geq 1$$

8.  $j + 8 > -3$

$$j > -11$$

9.  $-b + 4 \geq -9$

$$b \leq 13$$

10.  $-g + 3 > 7$

$$g < -4$$

## Solving Linear Inequalities (F)

Solve each inequality for the given variable.

1.  $-7 \geq n - 2$

2.  $-9 \geq -y - 5$

3.  $1 + h \geq 7$

4.  $-6 > b + 5$

5.  $-2 \leq -w - 5$

6.  $-1 > m - 8$

7.  $t + 1 < 1$

8.  $7 - c < -9$

9.  $-2 - p < 5$

10.  $2 + r \geq 1$

## Solving Linear Inequalities (F) Answers

Solve each inequality for the given variable.

1.  $-7 \geq n - 2$

$$n \leq -5$$

2.  $-9 \geq -y - 5$

$$y \geq 4$$

3.  $1 + h \geq 7$

$$h \geq 6$$

4.  $-6 > b + 5$

$$b < -11$$

5.  $-2 \leq -w - 5$

$$w \leq -3$$

6.  $-1 > m - 8$

$$m < 7$$

7.  $t + 1 < 1$

$$t < 0$$

8.  $7 - c < -9$

$$c > 16$$

9.  $-2 - p < 5$

$$p > -7$$

10.  $2 + r \geq 1$

$$r \geq -1$$

## Solving Linear Inequalities (G)

Solve each inequality for the given variable.

1.  $9 > -7 - j$

2.  $h + 7 > -5$

3.  $4 \geq -b + 5$

4.  $-2 \leq 8 + c$

5.  $9 < y - 6$

6.  $-8 \geq k + 7$

7.  $9 + r < 4$

8.  $3 \geq -9 - a$

9.  $-j + 7 > 2$

10.  $s - 4 < -3$

## Solving Linear Inequalities (G) Answers

Solve each inequality for the given variable.

1.  $9 > -7 - j$

$$j > -16$$

2.  $h + 7 > -5$

$$h > -12$$

3.  $4 \geq -b + 5$

$$b \geq 1$$

4.  $-2 \leq 8 + c$

$$c \geq -10$$

5.  $9 < y - 6$

$$y > 15$$

6.  $-8 \geq k + 7$

$$k \leq -15$$

7.  $9 + r < 4$

$$r < -5$$

8.  $3 \geq -9 - a$

$$a \geq -12$$

9.  $-j + 7 > 2$

$$j < 5$$

10.  $s - 4 < -3$

$$s < 1$$

## Solving Linear Inequalities (H)

Solve each inequality for the given variable.

1.  $c + 4 \leq -4$

2.  $-8 \leq f + 4$

3.  $-3 + g \geq -4$

4.  $8 \leq 4 - x$

5.  $5 \geq r - 6$

6.  $4 \leq -a + 1$

7.  $-7 + q \leq 2$

8.  $-6 \leq -n - 6$

9.  $5 < -s + 1$

10.  $y + 4 \leq 8$

## Solving Linear Inequalities (H) Answers

Solve each inequality for the given variable.

1.  $c + 4 \leq -4$

$$c \leq -8$$

2.  $-8 \leq f + 4$

$$f \geq -12$$

3.  $-3 + g \geq -4$

$$g \geq -1$$

4.  $8 \leq 4 - x$

$$x \leq -4$$

5.  $5 \geq r - 6$

$$r \leq 11$$

6.  $4 \leq -a + 1$

$$a \leq -3$$

7.  $-7 + q \leq 2$

$$q \leq 9$$

8.  $-6 \leq -n - 6$

$$n \leq 0$$

9.  $5 < -s + 1$

$$s < -4$$

10.  $y + 4 \leq 8$

$$y \leq 4$$



## Solving Linear Inequalities (I)

Solve each inequality for the given variable.

1.  $-9 + f > -3$

2.  $-2 + h \geq -4$

3.  $9 \leq c - 3$

4.  $s + 8 \leq 7$

5.  $-6 < -7 - f$

6.  $-q - 2 \geq 5$

7.  $-7 \geq -z + 3$

8.  $a + 7 \geq -2$

9.  $-3 > 9 + c$

10.  $-x + 4 > 2$

## Solving Linear Inequalities (I) Answers

Solve each inequality for the given variable.

1.  $-9 + f > -3$

$$f > 6$$

2.  $-2 + h \geq -4$

$$h \geq -2$$

3.  $9 \leq c - 3$

$$c \geq 12$$

4.  $s + 8 \leq 7$

$$s \leq -1$$

5.  $-6 < -7 - f$

$$f < -1$$

6.  $-q - 2 \geq 5$

$$q \leq -7$$

7.  $-7 \geq -z + 3$

$$z \geq 10$$

8.  $a + 7 \geq -2$

$$a \geq -9$$

9.  $-3 > 9 + c$

$$c < -12$$

10.  $-x + 4 > 2$

$$x < 2$$

## Solving Linear Inequalities (J)

Solve each inequality for the given variable.

1.  $-3 \leq 8 - j$

2.  $5 < -d + 8$

3.  $5 < -c - 6$

4.  $b - 3 > 6$

5.  $-r + 2 < -4$

6.  $-j - 8 \geq 3$

7.  $8 \leq -3 + j$

8.  $n + 2 > 6$

9.  $7 \geq c - 4$

10.  $7 > -5 + t$

## Solving Linear Inequalities (J) Answers

Solve each inequality for the given variable.

1.  $-3 \leq 8 - j$

$$j \leq 11$$

2.  $5 < -d + 8$

$$d < 3$$

3.  $5 < -c - 6$

$$c < -11$$

4.  $b - 3 > 6$

$$b > 9$$

5.  $-r + 2 < -4$

$$r > 6$$

6.  $-j - 8 \geq 3$

$$j \leq -11$$

7.  $8 \leq -3 + j$

$$j \geq 11$$

8.  $n + 2 > 6$

$$n > 4$$

9.  $7 \geq c - 4$

$$c \leq 11$$

10.  $7 > -5 + t$

$$t < 12$$