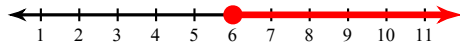


Solving Multi-Step Inequalities

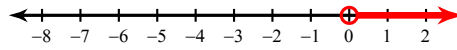
Solve each inequality and graph its solution.

1) $-11 \geq 6 - 2n - 5$



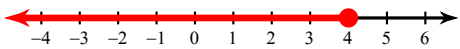
$n \geq 6$

2) $0 > -5x - 6x$



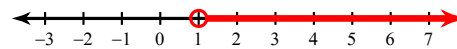
$x > 0$

3) $x + 1 + 4 \leq 9$



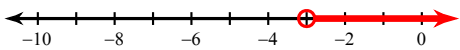
$x \leq 4$

4) $-9 > -5n - 4n$



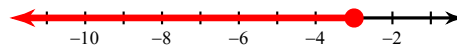
$n > 1$

5) $5k - 2k > -9$



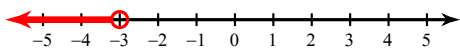
$k > -3$

6) $-2 \geq 4p + 6 + 4$



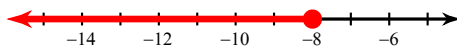
$p \leq -3$

7) $30 - 6a < -3(5 + 7a)$



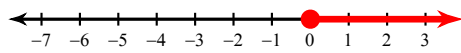
$a < -3$

8) $33 + 4x \leq -(x + 7)$



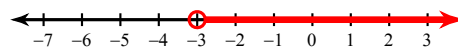
$x \leq -8$

$$9) 2(6 + 4n) \geq 12 - 8n$$



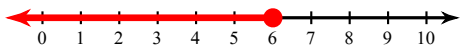
$$n \geq 0$$

$$10) -5(2b + 7) + b < -b - 11$$



$$b > -3$$

$$11) -33 - n \leq -3(2n + 1)$$



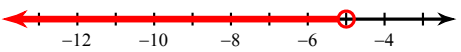
$$n \leq 6$$

$$12) -3(-7p - 6) - 7 < p - 29$$



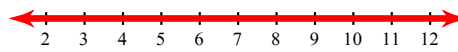
$$p < -2$$

$$13) -x + 23 < 2 - 2(x - 8)$$



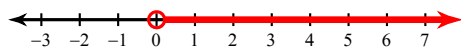
$$x < -5$$

$$14) 32 - 5n \geq 7 - 5(n - 5)$$



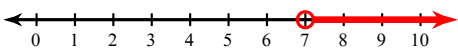
{ All real numbers. }

$$15) 12(10b - 9) > -12(9 + 8b)$$



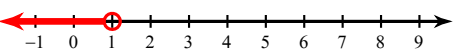
$$b > 0$$

$$16) -2(k - 12) - 5(k + 2) < -9k + 4k$$



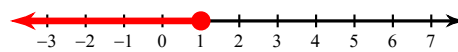
$$k > 7$$

$$17) 8(1 + 8x) + 8(x - 11) < -10x + 2x$$



$$x < 1$$

$$18) -2(9r + 3) - 7r \geq -10r - (12r + 9)$$



$$r \leq 1$$