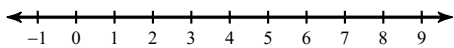


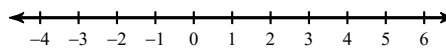
Quiz 1.7 Solving Multi-Step Inequalities PRACTICE

Solve each inequality. Graph its solution. Write the interval notation.

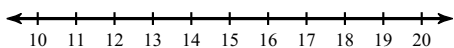
1) $-12 \leq -4x + x$



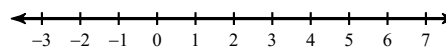
2) $7 > -4k - 3k$



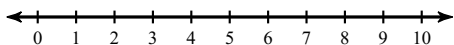
3) $0 \leq 3p - 3p$



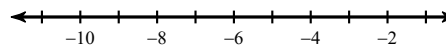
4) $0 \geq b + 4 - 3$



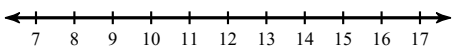
5) $6 > b + b$



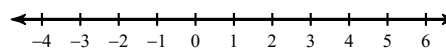
6) $4 < 1 - b - 1$



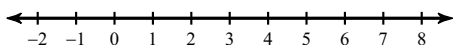
7) $1 > 1 + n - n$



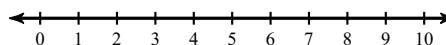
8) $-10 > x + 4x$



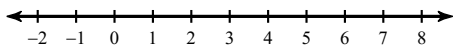
9) $3 \leq v + 3 - 4v$



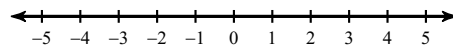
10) $1 \leq -3 - x + 2x$



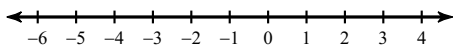
$$11) 2(3x - 1) - 3x \leq 4x + 3(2 - 3x)$$



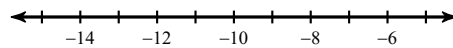
$$12) 2x - 4(x + 1) \geq -(x + 2)$$



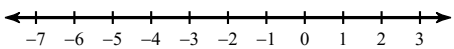
$$13) x - (1 - 2x) < 1 - (1 - 2x)$$



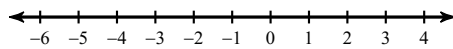
$$14) 2(-4 + 4b) + 3 > 3(3b + 1)$$



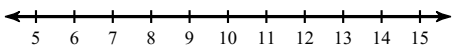
$$15) -2(x + 2) > -4(x + 2) + 4$$



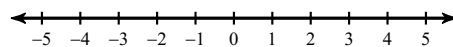
$$16) 2(3 - 3k) \geq -4k - 2(-3 + 4k)$$



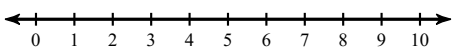
$$17) -(3 + 2m) < -(2 + 2m) - 1$$



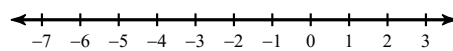
$$18) 2x + x > -2(-3x + 2) - 4(-3x - 1)$$



$$19) 2(p + 2) - p \leq -1 + 4(p - 1)$$



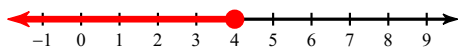
$$20) -2x - 3x > 3(1 - x) - 3(1 - x)$$



Quiz 1.7 Solving Multi-Step Inequalities PRACTICE

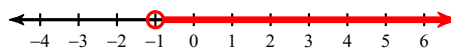
Solve each inequality. Graph its solution. Write the interval notation.

1) $-12 \leq -4x + x$



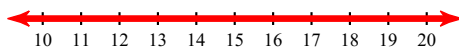
$x \leq 4$

2) $7 > -4k - 3k$



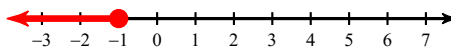
$k > -1$

3) $0 \leq 3p - 3p$



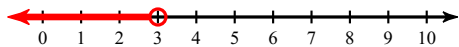
{ All real numbers. }

4) $0 \geq b + 4 - 3$



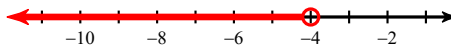
$b \leq -1$

5) $6 > b + b$



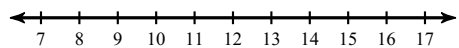
$b < 3$

6) $4 < 1 - b - 1$



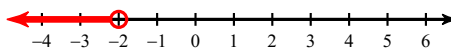
$b < -4$

7) $1 > 1 + n - n$



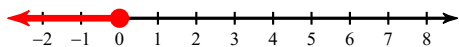
No solution.

8) $-10 > x + 4x$



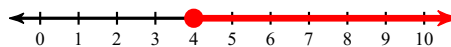
$x < -2$

9) $3 \leq v + 3 - 4v$



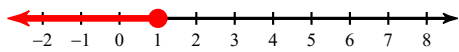
$v \leq 0$

10) $1 \leq -3 - x + 2x$



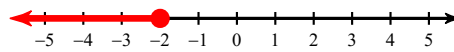
$x \geq 4$

$$11) 2(3x - 1) - 3x \leq 4x + 3(2 - 3x)$$



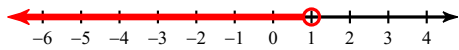
$$x \leq 1$$

$$12) 2x - 4(x + 1) \geq -(x + 2)$$



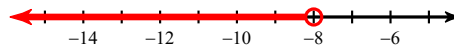
$$x \leq -2$$

$$13) x - (1 - 2x) < 1 - (1 - 2x)$$



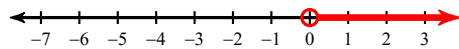
$$x < 1$$

$$14) 2(-4 + 4b) + 3 > 3(3b + 1)$$



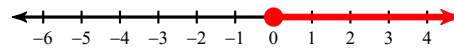
$$b < -8$$

$$15) -2(x + 2) > -4(x + 2) + 4$$



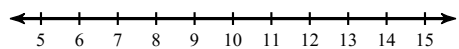
$$x > 0$$

$$16) 2(3 - 3k) \geq -4k - 2(-3 + 4k)$$



$$k \geq 0$$

$$17) -(3 + 2m) < -(2 + 2m) - 1$$



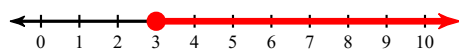
No solution.

$$18) 2x + x > -2(-3x + 2) - 4(-3x - 1)$$



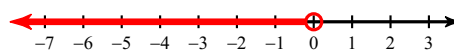
$$x < 0$$

$$19) 2(p + 2) - p \leq -1 + 4(p - 1)$$



$$p \geq 3$$

$$20) -2x - 3x > 3(1 - x) - 3(1 - x)$$



$$x < 0$$