

Solving Equations, Inequalities & Absolute Values

Solve each equation.

1) $33 = x + 19$

2) $11n = 187$

3) $5 - 4m + 3 = -20$

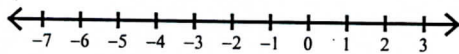
4) $-179 = -7(-6r + 5) - 6r$

5) $6(3x + 4) - 2(-8x - 1) = 60$

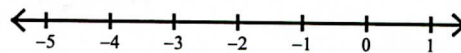
6) $-5n - 42 = -5(n + 8)$

Solve each inequality and graph its solution.

7) $-16 > b + 2 + 8b$



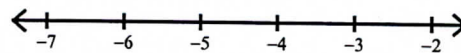
8) $-8 \leq 4r + 4r$



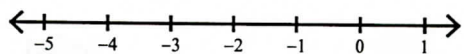
9) $126 < 6(5n + 6)$



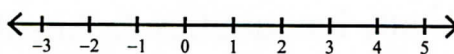
10) $-132 > 4(8x - 1)$



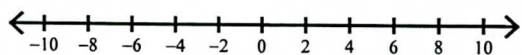
$$11) 34 \leq -6(3x - 3) - 5(6 + x)$$



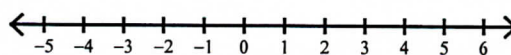
$$12) -8(3v - 3) < -3(v + 6)$$



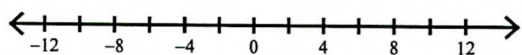
$$13) |n| \leq 8$$



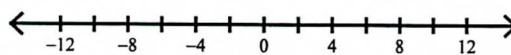
$$14) |k| \leq 3$$



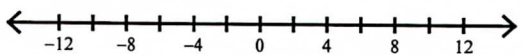
$$15) |-2p| < 20$$



$$16) \left| \frac{x}{4} \right| > 2$$



$$17) |9n - 10| \geq 82$$



$$18) 10 + |5 - 10b| \geq 55$$

