

Name: _____

Solving Inequalities Worksheet

Solve the inequalities. Then graph the solution on the number line.

1) $x + 6 < 20$



2) $x - 7 > 13$



3) $9x \leq 45$



4) $-8x < 56$



5) $\frac{x}{7} \geq 4$

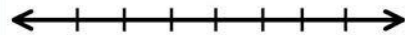


6) $\frac{x}{-3} \geq 8$



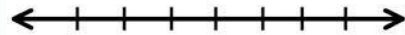
$$7) \quad 3x - 8 > 16$$

$$8) \quad -10x - 6 < 44$$

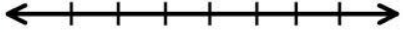


$$9) \quad \frac{x}{9} + 5 \geq 12$$

$$10) \quad \frac{x}{-6} - 7 \geq 3$$



11) $x + 8 < 6$



12) $x - 8 > -2$



13) $11x \leq 55$



14) $-6x < 36$



15) $\frac{x}{12} \geq 3$

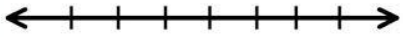


16) $\frac{x}{-1} \geq 15$



$$17) 12x - 5 > 43$$

$$18) -4x + 13 < 113$$



$$19) \frac{x}{3} - 6 \geq -7$$

$$20) \frac{x}{-3} - 6 \geq -7$$

