

Name : _____

Score : _____ Date : _____

Solving Multi-Step Inequalities

Solve each inequality and graph its solution.

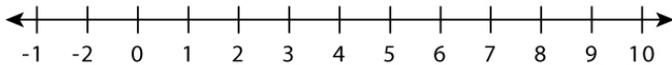
① $5y + 8y < 13$



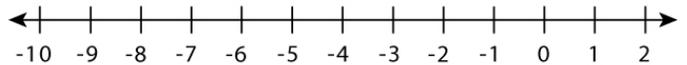
② $9 \geq -2p + 2 - 3$



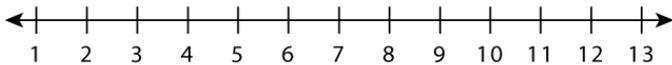
③ $-9 > -5q - 4q$



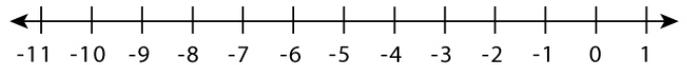
④ $-14 \leq 7 + 7n - 7$



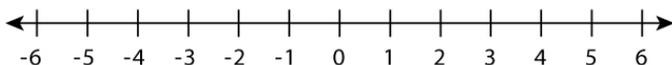
⑤ $5(6 + 3r) + 7 \geq 127$



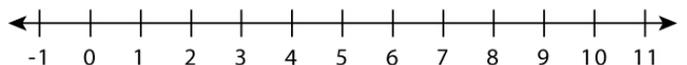
⑥ $13 + 2v - 8 + 6 > -7 - v$



⑦ $-24 \leq 6(5b - 2) - 8(8b - 7)$



⑧ $x - 8 + 3x + 2 < -6(8x - 7) + 4(8x - 2)$



Name : _____

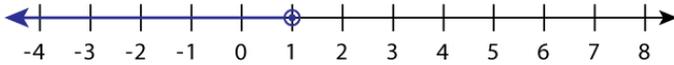
Score : _____ Date : _____

Solving Multi-Step Inequalities

Answers

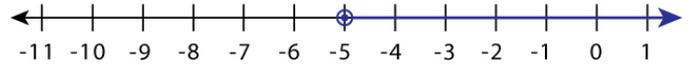
① $5y + 8y < 13$

$$y < 1$$



② $9 \geq -2p + 2 - 3$

$$p > -5$$



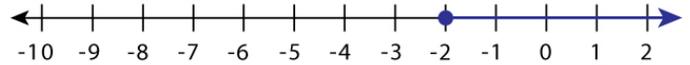
③ $-9 > -5q - 4q$

$$q > 1$$



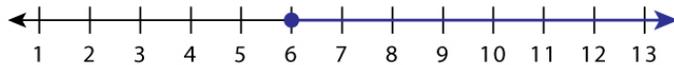
④ $-14 \leq 7 + 7n - 7$

$$n \geq -2$$



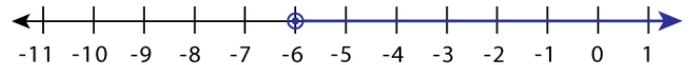
⑤ $5(6 + 3r) + 7 \geq 127$

$$r \geq 6$$



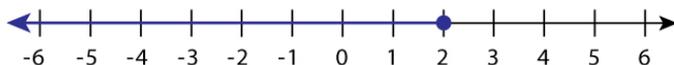
⑥ $13 + 2v - 8 + 6 > -7 - v$

$$v > -6$$



⑦ $-24 \leq 6(5b - 2) - 8(8b - 7)$

$$b \leq 2$$



⑧ $x - 8 + 3x + 2 < -6(8x - 7) + 4(8x - 2)$

$$x < 2$$

