

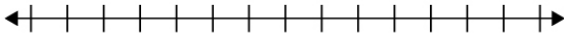
Name :

Score : Date :

Compound Inequalities Worksheet

Solve each inequality and graph its solution.

① $6y \geq 6$ or $y + 5 < 3$



② $9 < 8 - a < 14$



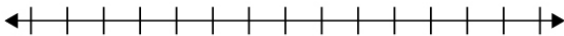
③ $a + 2 \leq -6$ or $a + 5 > 14$



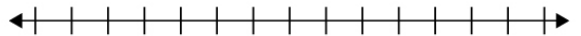
④ $1 > 2h + 3 > -1$



⑤ $-3p \geq -6$ or $-3p \leq 6$



⑥ $-4r \geq 8$ or $2r \leq -10$



⑦ $| + 2 > -1$ or $| - 6 < -9$



⑧ $2x - 4 < -2$ and $2x - 6 > -2$



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Compound Inequalities Worksheet

Answers

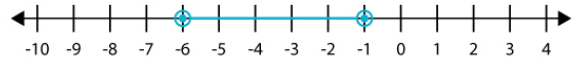
① $6y \geq 6$ or $y + 5 < 3$

$y \geq 1$ or $y < -2$



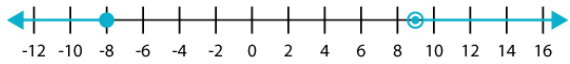
② $9 < 8 - a < 14$

$-1 < a > -6$



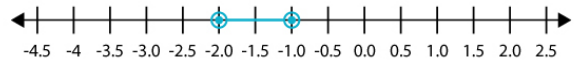
③ $a + 2 \leq -6$ or $a + 5 > 14$

$a \leq -8$ or $a > 9$



④ $1 > 2h + 3 > -1$

$h < -2$ or $h > -1$



⑤ $-3p \geq -6$ or $-3p \leq 6$

$p \leq 2$ or $p \geq -2$



⑥ $-4r \geq 8$ or $2r \leq -10$

$r \leq -2$ or $r \leq -5$



⑦ $|l + 2| > -1$ or $|l - 6| < -9$

$l > -3$ or $l < -3$



⑧ $2x - 4 < -2$ and $2x - 6 > -2$

$x < 1$ and $x > 2$
No solution

