

Solving Compound Inequalities

Date _____

Solve each compound inequality and graph its solution.

1) $8 - b > 6$ or $-1 - 4b \leq -37$

2) $4 \geq -b - 3 \geq 1$

3) $2 \leq 4n - 2 \leq 34$

4) $9 - 3x > -18$ and $4 - 8x \leq 68$

5) $8 + 7m < -6$ or $7 - 4m < 11$

6) $2k + 7 < 1$ or $-4k - 6 < -18$

$$7) -33 \leq 4k - 1 < 3$$

$$8) 2 - 3n \leq -25 \text{ or } 7n + 7 < -7$$

$$9) -36 \leq 5v + 9 \leq -16$$

$$10) -4 + 4x > 20 \text{ or } 4 - 7x > 25$$

$$11) -8x - 1 \geq -57 \text{ or } 6 - x < -2$$

$$12) 3p - 8 < -2 \text{ or } -4p - 4 \leq -20$$