

Lesson 2.4 - Compound Inequalities

Solve each inequality and graph its solution.

1) $k + 24 \geq 44$

2) $\frac{x}{10} \leq -12$

3) $-2x + 4 \leq 30$

4) $\frac{n}{2} - 5 > -14$

5) $2(4x + 4) + 2 > 42$

6) $-3(2 - 4x) < -42$

Solve each compound inequality and graph its solution.

7) $-10x + 10 \geq -50$ or $-1 + 8x \geq -1$

8) $-8 < 3k - 2 < -29$

9) $-18 < 2 - 2x < 8$

10) $7x - 9 < -16$ or $7 + 2x < 23$