

Algebra I

## 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  $7 + 2x < 23$