

Compound Inequalities

Solve each compound inequality and graph its solution.

1) $-3 < k + 2 < 8$

2) $-1 < \frac{p}{3} \leq 0$

3) $-7a + 3 < 80$ and $10a + 7 \leq -33$

4) $5 < 1 - n < 7$

5) $9r + 1 \leq -80$ or $8 - 3r < -1$

6) $-4 + 3x \leq -28$ or $9 - 8x \leq 89$

7) $2 + 12x > 14$ or $11 - 2x > 23$

8) $4 - 7r \leq 11$ or $10r + 3 > -57$