# Solving Compound Inequalities

One-step: S1

Solve each inequality.

1) $x + 5 > 6$ and $6x \leq 18$

2) $-15 \leq x - 13 \leq 0$

3) $-11 < \dfrac{x}{3} < -9$

4) $x + 2 \leq -3$ or $x - 5 > -2$

5) $\dfrac{x}{4} \geq 8$ or $x - 16 \leq 10$

6) $8 \geq 2x > -10$

7) $-14 < -11 + x \leq -12$

8) $x + 24 < 28$ and $3x < -42$

9) $\dfrac{x}{6} \leq 4$ and $x - 22 > -23$

10) $20x > 40$ or $\dfrac{x}{7} > 2$