

1. Solve each inequality below and illustrate the solution on a number line.

(a)  $4x + 6 \leq 18$                       (b)  $5x - 8 > 27$                       (c)  $6x + 7 < 37$

(d)  $5x - 7 \geq -17$                       (e)  $\frac{2x - 6}{4} < 1$                       (f)  $4(2x - 3) \geq -8$

2. Solve the following inequalities.

(a)  $5x - 6 < 29$                       (b)  $7x + 2 \geq -19$                       (c)  $5x - 8 \leq 12$

(d)  $6x - 3 \geq 1$                       (e)  $5x + 7 < 11$                       (f)  $7x - 8 > -2$

(g)  $4 - 2x \geq -8$                       (h)  $5 - 6x < -7$                       (i)  $4(2 - x) \geq -8$