1. Use interval notation to express the solution set and graph the set on a number line if the solution set is not empty.

   (a) $5x + 3 > 23$

   (b) $2x + 4 > 10$

   (c) $6(x + 1) + 4 \geq 5x + 17$

   (d) $\dfrac{x}{3} - \dfrac{1}{12} \leq \dfrac{x}{4} + 1$

2. Solve the compound inequalities and give your answer in interval notation:

(a) $-3 \leq x - 2 \leq 5$

(b) $5 < x + 5 < 8$

(c) $7x - 9 > -23$ and $5x + 8 < 23$

(d) $-5x + 6 \geq 21$ or $-7x - 5 < 9$