Solve the inequalities for x.

1. $6 - 7x > 4$

2. $5x + 2 > -3x - 4$

3. $x^2 - x - 6 \leq 0$

4. $x^3 \leq 6x^2 - 8x$

5. $\dfrac{(x-2)(x-1)}{5-x} \leq 1$