(c) Solve the following quadratic equation using any appropriate means.

\[ x^2 + 5x - 4 = 0 \]

\[ x = \frac{-b \pm \sqrt{b^2 - 4ac}}{2a} = \frac{-5 \pm \sqrt{25 - 4(1)(-4)}}{2(1)} = \frac{-5 \pm \sqrt{41}}{2} \]

Doesn’t factor, use quadratic equation.

(3) Solve the following inequality. Express your solution in interval notation.

\[-3 \leq 5 - 2x < 7\]

\[-3 \leq 5 - 2x \quad \text{or} \quad -2x < 2\]

\[ -3 \leq 5 - 2x \quad \text{or} \quad -1 < x \leq 4\]

Solution: \([-1, 4]\)