Section 4.3 and 4.4 – Final Exam Prep

Answer the following four questions, show as many steps as you need to, write clearly and neatly.

1. Solve using the Square Root Method

$$\left(x + \frac{2}{3}\right)^2 = \frac{5}{9}$$

2. Complete the square and then solve using the Square Root Method

$$(2x + 5)(x - 3) = (x + 4)(x - 1)$$

3. Solve using the Quadratic Equation:

$$\frac{-b \pm \sqrt{b^2 - 4ac}}{2a}$$

$$-2x^2 + 2x + 1 = 0$$

4. Solve using the Quadratic Equation

$$\frac{6}{x} + \frac{4}{x + 2} = 1$$