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Question Three

1.1 $12x^2 = 31x + 15$

$$\underset{a}{12x^2} - \underset{b}{31x} - \underset{c}{15} = 0$$

$$x = \frac{-127 \pm \sqrt{3^2 - 4(127)(15)}}{2(127)}$$

$$x = 0.42 \quad \text{or} \quad x = -3$$