

Summary:

$$a \cdot x^3 + b \cdot x^2 + c \cdot x + d = 0$$

$$x = y - \frac{b}{3a}$$

$$y = z - \left(\frac{p}{3}\right) \cdot \frac{1}{z}$$

$$z^3 = -\frac{q}{z} + \frac{1}{z} \cdot \sqrt{q^2 + \frac{4p^3}{27}}$$

We going to define:

$$K_1 = -\frac{q}{z} + \frac{1}{z} \cdot \sqrt{q^2 + \frac{4p^3}{27}}$$

$$w_1 = \frac{\sqrt{3}i - 1}{2}$$

$$K_2 = -\frac{q}{z} - \frac{1}{z} \cdot \sqrt{q^2 + \frac{4p^3}{27}}$$

$$w_2 = \frac{-\sqrt{3}i - 1}{2}$$