1. Solution of ax + b is:

 $r = -\frac{o}{a}$

3. Solution of $ax^3 + bx^2 + cx + d$ is:

2. Solution of $ax^2 + bx + c$ is:

$$r_{1} = -\frac{1}{3a} \left[b + \sqrt[3]{\frac{2b^{3} - 9abc + 27a^{2}d \pm \sqrt{(2b^{3} - 9abc + 27a^{2}d)^{2} - 4(b^{2} - 3ac)^{3}}}{2}} + \frac{b^{2} - 3ac}{\sqrt[3]{\frac{2b^{3} - 9abc + 27a^{2}d \pm \sqrt{(2b^{3} - 9abc + 27a^{2}d)^{2} - 4(b^{2} - 3ac)^{3}}}} \right]$$

$$r_{2} = -\frac{1}{3a} \left[b + \left(\frac{-1 + \sqrt{-3}}{2} \right) \sqrt[3]{\frac{2b^{3} - 9abc + 27a^{2}d \pm \sqrt{(2b^{3} - 9abc + 27a^{2}d)^{2} - 4(b^{2} - 3ac)^{3}}}{2}} + \frac{b^{2} - 3ac}{\left(\frac{-1 + \sqrt{-3}}{2} \right) \sqrt[3]{\frac{2b^{3} - 9abc + 27a^{2}d \pm \sqrt{(2b^{3} - 9abc + 27a^{2}d)^{2} - 4(b^{2} - 3ac)^{3}}}{2}} + \frac{b^{2} - 3ac}{\left(\frac{-1 + \sqrt{-3}}{2} \right) \sqrt[3]{\frac{2b^{3} - 9abc + 27a^{2}d \pm \sqrt{(2b^{3} - 9abc + 27a^{2}d)^{2} - 4(b^{2} - 3ac)^{3}}}{2}} + \frac{b^{2} - 3ac}{\left(\frac{-1 + \sqrt{-3}}{2} \right) \sqrt[3]{\frac{2b^{3} - 9abc + 27a^{2}d \pm \sqrt{(2b^{3} - 9abc + 27a^{2}d)^{2} - 4(b^{2} - 3ac)^{3}}}} + \frac{b^{2} - 3ac}{\left(\frac{-1 + \sqrt{-3}}{2} \right) \sqrt[3]{\frac{2b^{3} - 9abc + 27a^{2}d \pm \sqrt{(2b^{3} - 9abc + 27a^{2}d)^{2} - 4(b^{2} - 3ac)^{3}}}}} + \frac{b^{2} - 3ac}{\left(\frac{-1 + \sqrt{-3}}{2} \right) \sqrt[3]{\frac{2b^{3} - 9abc + 27a^{2}d \pm \sqrt{(2b^{3} - 9abc + 27a^{2}d)^{2} - 4(b^{2} - 3ac)^{3}}}}} + \frac{b^{2} - 3ac}{\left(\frac{-1 + \sqrt{-3}}{2} \right) \sqrt[3]{\frac{2b^{3} - 9abc + 27a^{2}d \pm \sqrt{(2b^{3} - 9abc + 27a^{2}d)^{2} - 4(b^{2} - 3ac)^{3}}}}}} + \frac{b^{2} - 3ac}{\left(\frac{-1 + \sqrt{-3}}{2} \right) \sqrt[3]{\frac{2b^{3} - 9abc + 27a^{2}d \pm \sqrt{(2b^{3} - 9abc + 27a^{2}d)^{2} - 4(b^{2} - 3ac)^{3}}}}}} + \frac{b^{2} - 3ac}{\left(\frac{-1 + \sqrt{-3}}{2} \right) \sqrt[3]{\frac{2b^{3} - 9abc + 27a^{2}d \pm \sqrt{(2b^{3} - 9abc + 27a^{2}d)^{2} - 4(b^{2} - 3ac)^{3}}}}}} + \frac{b^{2} - 3ac}{\left(\frac{-1 + \sqrt{-3}}{2} \right) \sqrt[3]{\frac{2b^{3} - 9abc + 27a^{2}d \pm \sqrt{(2b^{3} - 9abc + 27a^{2}d)^{2} - 4(b^{2} - 3ac)^{3}}}}}} + \frac{b^{2} - 3ac}{\left(\frac{-1 + \sqrt{-3}}{2} \right) \sqrt[3]{\frac{2b^{3} - 9abc + 27a^{2}d \pm \sqrt{(2b^{3} - 9abc + 27a^{2}d)^{2} - 4(b^{2} - 3ac)^{3}}}}}} + \frac{b^{2} - 3ac}{\left(\frac{-1 + \sqrt{-3}}{2} \right) \sqrt[3]{\frac{2b^{3} - 9abc + 27a^{2}d \pm \sqrt{(2b^{3} - 9abc + 27a^{2}d)^{2} - 4(b^{2} - 3ac)^{3}}}}}}$$

4. Solution of $x^4 + ax^3 + bx^2 + cx + d$ is:

$$\begin{aligned} & \frac{1}{1} & = \frac{1}{1} \cdot \frac{1}{2} \cdot \frac{1}{1} \cdot \frac{1}{2} \cdot \frac{1}{2}$$