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1. Galileo 1638

2. Rene Descartes 1637

3. Newton discovered first Leibnitz published first

4. $x = u + v$

$$(u+v)^3 + p(u+v) + q = 0$$

$$p = 6 \quad q = -7$$

$$uv = -2$$

$$u^3 + v^3 = 7$$

$$u^3 = \frac{7}{2} + \sqrt{\frac{49}{4} + \frac{6^3}{27}} = \frac{7}{2} + \sqrt{\frac{81}{4}} = \frac{16}{2} = 8$$

so $u = 2 \quad v = -1$

$$x = 1$$