



求解三次多項式方程

姓名: _____

日期: _____ 分數: _____

$$x^3 - 6x^2 - 27x = 0$$

$$x^3 - 6x^2 - 16x = 0$$

$$7x^3 - 92x^2 + 285x - 216 = 0$$

$$4x^3 - 39x^2 + 99x - 54 = 0$$

$$3x^3 - 13x^2 + 18x - 8 = 0$$

$$x^3 - 3x^2 - 10x = 0$$

$$4x^3 + 21x^2 - 126x + 81 = 0$$

$$x^3 - 3x^2 - 4x = 0$$

$$x^3 + 6x^2 + 5x = 0$$

$$8x^3 - 31x^2 - 123x + 126 = 0$$



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$$x^3 - 6x^2 - 27x = 0$$

$$x = 9, -3, 0$$

$$x^3 - 6x^2 - 16x = 0$$

$$x = -2, 8, 0$$

$$7x^3 - 92x^2 + 285x - 216 = 0$$

$$x = \frac{8}{7}, 9, 3$$

$$4x^3 - 39x^2 + 99x - 54 = 0$$

$$x = \frac{3}{4}, 3, 6$$

$$3x^3 - 13x^2 + 18x - 8 = 0$$

$$x = \frac{4}{3}, 1, 2$$

$$x^3 - 3x^2 - 10x = 0$$

$$x = 5, -2, 0$$

$$4x^3 + 21x^2 - 126x + 81 = 0$$

$$x = \frac{3}{4}, 3, -9$$

$$x^3 - 3x^2 - 4x = 0$$

$$x = 4, -1, 0$$

$$x^3 + 6x^2 + 5x = 0$$

$$x = -1, -5, 0$$

$$8x^3 - 31x^2 - 123x + 126 = 0$$

$$x = \frac{7}{8}, -3, 6$$