



求解三次多項式方程

姓名: \_\_\_\_\_

日期: \_\_\_\_\_ 分數: \_\_\_\_\_

$$x^3 + x^2 - 54x - 144 = 0$$

$$x^3 - 14x^2 + 59x - 70 = 0$$

$$x^3 + 8x^2 - 21x - 108 = 0$$

$$4x^3 + 53x^2 + 138x - 135 = 0$$

$$x^3 - 6x^2 + 8x = 0$$

$$7x^3 - 13x^2 - 498x + 432 = 0$$

$$7x^3 - x^2 - 92x + 96 = 0$$

$$x^3 + 19x^2 + 120x + 252 = 0$$

$$x^3 - 39x - 70 = 0$$

$$7x^3 + 6x^2 - 352x + 384 = 0$$



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$$x^3 + x^2 - 54x - 144 = 0$$
$$x = 8, -6, -3$$

$$x^3 - 14x^2 + 59x - 70 = 0$$
$$x = 5, 7, 2$$

$$x^3 + 8x^2 - 21x - 108 = 0$$
$$x = -9, 4, -3$$

$$4x^3 + 53x^2 + 138x - 135 = 0$$
$$x = \frac{3}{4}, -9, -5$$

$$x^3 - 6x^2 + 8x = 0$$
$$x = 4, 2, 0$$

$$7x^3 - 13x^2 - 498x + 432 = 0$$
$$x = \frac{6}{7}, -8, 9$$

$$7x^3 - x^2 - 92x + 96 = 0$$
$$x = \frac{8}{7}, 3, -4$$

$$x^3 + 19x^2 + 120x + 252 = 0$$
$$x = -7, -6, -6$$

$$x^3 - 39x - 70 = 0$$
$$x = 7, -2, -5$$

$$7x^3 + 6x^2 - 352x + 384 = 0$$
$$x = \frac{8}{7}, 6, -8$$