



## Solving Cubic Equations

Name: \_\_\_\_\_

Date: \_\_\_\_\_ Score: \_\_\_\_\_

$$x^3 - 10x^2 + 31x - 30 = 0$$

$$x^3 + 8x^2 - 11x - 18 = 0$$

$$7x^3 + 8x^2 - 5x - 6 = 0$$

$$x^3 + 12x^2 + 44x + 48 = 0$$

$$10x^3 - 9x^2 - 40x + 36 = 0$$

$$x^3 + x^2 - 20x = 0$$

$$x^3 - 17x^2 + 88x - 144 = 0$$

$$10x^3 + 101x^2 + 81x - 162 = 0$$

$$x^3 - 2x^2 - 45x + 126 = 0$$

$$x^3 + 15x^2 + 56x = 0$$



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$$x^3 - 10x^2 + 31x - 30 = 0$$
$$x = 2, 3, 5$$

$$x^3 + 8x^2 - 11x - 18 = 0$$
$$x = -9, 2, -1$$

$$7x^3 + 8x^2 - 5x - 6 = 0$$
$$x = \frac{6}{7}, -1, -1$$

$$x^3 + 12x^2 + 44x + 48 = 0$$
$$x = -6, -2, -4$$

$$10x^3 - 9x^2 - 40x + 36 = 0$$
$$x = \frac{9}{10}, -2, 2$$

$$x^3 + x^2 - 20x = 0$$
$$x = 4, -5, 0$$

$$x^3 - 17x^2 + 88x - 144 = 0$$
$$x = 4, 4, 9$$

$$10x^3 + 101x^2 + 81x - 162 = 0$$
$$x = \frac{9}{10}, -2, -9$$

$$x^3 - 2x^2 - 45x + 126 = 0$$
$$x = 3, -7, 6$$

$$x^3 + 15x^2 + 56x = 0$$
$$x = -7, -8, 0$$