



## Solving Cubic Equations

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

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

$$x^3 + 6x^2 - 55x - 252 = 0$$

$$x^3 + x^2 - 12x = 0$$

$$5x^3 - 64x^2 + 183x - 108 = 0$$

$$x^3 + 4x^2 - 51x - 54 = 0$$

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

$$x^3 + 13x^2 + 42x = 0$$

$$3x^3 + 17x^2 + 2x - 40 = 0$$

$$7x^3 + 13x^2 - 150x + 144 = 0$$

$$8x^3 + 81x^2 + 163x - 210 = 0$$

$$x^3 - 8x^2 - 12x + 144 = 0$$



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$$x^3 + 6x^2 - 55x - 252 = 0$$
$$x = 7, -9, -4$$

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

$$5x^3 - 64x^2 + 183x - 108 = 0$$
$$x = \frac{4}{5}, 3, 9$$

$$x^3 + 4x^2 - 51x - 54 = 0$$
$$x = -9, -1, 6$$

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

$$x^3 + 13x^2 + 42x = 0$$
$$x = -7, -6, 0$$

$$3x^3 + 17x^2 + 2x - 40 = 0$$
$$x = \frac{4}{3}, -2, -5$$

$$7x^3 + 13x^2 - 150x + 144 = 0$$
$$x = \frac{8}{7}, 3, -6$$

$$8x^3 + 81x^2 + 163x - 210 = 0$$
$$x = \frac{7}{8}, -6, -5$$

$$x^3 - 8x^2 - 12x + 144 = 0$$
$$x = 6, -4, 6$$