



## Solving Cubic Equations

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

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

$$5x^3 - 6x^2 - 20x + 24 = 0$$

$$x^3 + x^2 - 72x = 0$$

$$x^3 - 11x^2 + 7x + 147 = 0$$

$$x^3 + 2x^2 - 24x = 0$$

$$x^3 + 15x^2 + 54x = 0$$

$$9x^3 + 136x^2 + 439x - 504 = 0$$

$$x^3 - 2x^2 - 32x + 96 = 0$$

$$x^3 + 13x^2 + 36x = 0$$

$$x^3 - 5x^2 - 36x = 0$$

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



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$$5x^3 - 6x^2 - 20x + 24 = 0$$

$$x = \frac{6}{5}, -2, 2$$

$$x^3 + x^2 - 72x = 0$$

$$x = -9, 8, 0$$

$$x^3 - 11x^2 + 7x + 147 = 0$$

$$x = -3, 7, 7$$

$$x^3 + 2x^2 - 24x = 0$$

$$x = -6, 4, 0$$

$$x^3 + 15x^2 + 54x = 0$$

$$x = -9, -6, 0$$

$$9x^3 + 136x^2 + 439x - 504 = 0$$

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

$$x^3 - 2x^2 - 32x + 96 = 0$$

$$x = 4, -6, 4$$

$$x^3 + 13x^2 + 36x = 0$$

$$x = -9, -4, 0$$

$$x^3 - 5x^2 - 36x = 0$$

$$x = -4, 9, 0$$

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

$$x = 3, -2, 1$$