



Solving Cubic Equations

Name: _____

Date: _____ Score: _____

$$3x^3 - 46x^2 + 200x - 192 = 0$$

$$x^3 - 6x^2 - 25x - 18 = 0$$

$$x^3 + x^2 - 49x - 49 = 0$$

$$x^3 + 10x^2 - 3x - 108 = 0$$

$$x^3 - 14x^2 + 48x = 0$$

$$10x^3 + 61x^2 - 3x - 54 = 0$$

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

$$x^3 + 5x^2 - 22x + 16 = 0$$

$$10x^3 - 69x^2 - 216x + 243 = 0$$

$$10x^3 + 51x^2 + 26x - 72 = 0$$



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$$3x^3 - 46x^2 + 200x - 192 = 0$$
$$x = \frac{4}{3}, 8, 6$$

$$x^3 - 6x^2 - 25x - 18 = 0$$
$$x = 9, -2, -1$$

$$x^3 + x^2 - 49x - 49 = 0$$
$$x = 7, -1, -7$$

$$x^3 + 10x^2 - 3x - 108 = 0$$
$$x = -9, -4, 3$$

$$x^3 - 14x^2 + 48x = 0$$
$$x = 8, 6, 0$$

$$10x^3 + 61x^2 - 3x - 54 = 0$$
$$x = \frac{9}{10}, -1, -6$$

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

$$x^3 + 5x^2 - 22x + 16 = 0$$
$$x = -8, 1, 2$$

$$10x^3 - 69x^2 - 216x + 243 = 0$$
$$x = \frac{9}{10}, -3, 9$$

$$10x^3 + 51x^2 + 26x - 72 = 0$$
$$x = \frac{9}{10}, -2, -4$$