



StudentName: \_\_\_\_\_

ExamDate: \_\_\_\_\_ ExamScore: \_\_\_\_\_

$$x^3 + 14x^2 + 45x = 0$$

$$3x^3 - 10x^2 - 64x + 96 = 0$$

$$x^3 - 2x^2 - 13x - 10 = 0$$

$$x^3 - 9x^2 + 11x + 21 = 0$$

$$7x^3 - 132x^2 + 675x - 486 = 0$$

$$7x^3 + 71x^2 + 102x - 144 = 0$$

$$x^3 + 7x^2 - 42x - 216 = 0$$

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

$$8x^3 + 81x^2 + 147x - 196 = 0$$

$$x^3 - 4x^2 - 45x = 0$$



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$$x^3 + 14x^2 + 45x = 0$$

$$x = -9, -5, 0$$

$$3x^3 - 10x^2 - 64x + 96 = 0$$

$$x = \frac{4}{3}, 6, -4$$

$$x^3 - 2x^2 - 13x - 10 = 0$$

$$x = -2, -1, 5$$

$$x^3 - 9x^2 + 11x + 21 = 0$$

$$x = 7, -1, 3$$

$$7x^3 - 132x^2 + 675x - 486 = 0$$

$$x = \frac{6}{7}, 9, 9$$

$$7x^3 + 71x^2 + 102x - 144 = 0$$

$$x = \frac{6}{7}, -8, -3$$

$$x^3 + 7x^2 - 42x - 216 = 0$$

$$x = -9, -4, 6$$

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

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

$$8x^3 + 81x^2 + 147x - 196 = 0$$

$$x = \frac{7}{8}, -7, -4$$

$$x^3 - 4x^2 - 45x = 0$$

$$x = -5, 9, 0$$