

YOUR NAME: _____

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Read each problem **very carefully** before starting to solve it. Each problem is worth 5 points. It is necessary to show **all** your work. Correct answers without explanations are worth 0 points. GOOD LUCK!!

1. Solve the equation

$$x^3 + 4x^2 - 9x - 36 = 0.$$

2. Solve the equation

$$|x^2 - 3x - 7| = 3.$$