

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. Use the quadratic formula to solve the equation $4x^2 - 4x - 1 = 0$.

2. Solve the rational equation $\frac{x}{x+3} = \frac{3x}{5x-1}$.