

YOUR NAME: _____

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

1. [5 points] Solve the system $\begin{cases} x^2 + y = 7 \\ x - y = -1 \end{cases}$.

2. [5 points] Decompose into partial fractions $\frac{x + 3}{x^2 + 6x - 7}$.