

YOUR NAME: \_\_\_\_\_

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Read each problem **very carefully** before starting to solve it. 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

$$\begin{cases} x^2 + y^2 = 29 \\ x - y = 3 \end{cases}.$$

2. [5 points] Decompose into partial fractions  $\frac{7x + 1}{x^2 + 6x - 7}$ .