

YOUR NAME: _____

George Voutsadakis

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 either substitution or addition to solve the system $\begin{cases} x - 5y = 4 \\ 4x + 8y = -5 \end{cases}$.

2. Use the matrix method to solve the system $\begin{cases} x + y + 2z = 3 \\ x - y - 4z = -3 \\ -x + 3y + z = 0 \end{cases}$.