QUIZ 6 - MATH 102 YOUR NAME:

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. Simplify and write your answer without negative exponents:

$$\frac{(-5x^3y^2)(-2x^{-4}y)}{(-25x^2y^{-5})}.$$

2. Evaluate and write your answer in scientific notation:

 $\frac{(6000)(0.00004)}{(500000)(0.00002)}$

3. Solve the following 2×2 system using the matrix method: