QUIZ 6 - MATH 102 Friday, October 22
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. Perform the following multiplication: $(4x + 7)(5y - 3)$.

2. Factor **completely** $x^3 + 5x^2 - 9x - 45$. (This problem involves several steps; work step-by-step carefully. As a hint, you should discover <u>three</u> factors when you are done.)