QUIZ 1 - MATH 151 YOUR NAME:____

Monday, January 17 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. Find the domain of the function $f(x) = \frac{1}{x^3 + x^2 - 20x}$.

2. Sketch the graph of the function $f(x) = 3^{-x}$.

3. Sketch the graph of the function $f(x) = \cos(x - \frac{\pi}{2}) + 1$.