Name: [1 pt]

Problem 1. Use the first derivative test to find the relative maximum and minimum values of

$$f(x) = \frac{1}{3}x^3 - \frac{3}{2}x^2 + 2x + 1.$$

[5 pts]

Problem 2. Use the second derivative test to find the relative maximum and minimum <u>values</u> of

$$f(x) = x^2 + \frac{2}{x}.$$

[5 pts]