Math 150 Quiz 9 - October 21 PRINT Name_____
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1. Find the absolute maximum and absolute minimum values of f in the given interval

$$f(x) = 5 + 54x - 2x^3 \qquad [0, 4]$$

2. Find the intervals on which f is increasing or decreasing. Find the local maximum and minimum values of f.

$$f(x) = x^2 \ln x$$