

HW Quiz B Extreme Values/Local Extrema/Concavity

- Use the first derivative test to find any intervals of increase and/or decrease of the function above.
- Find any local extrema using the first or the second derivative test.
- Use the first derivative test to find any absolute extreme values on the interval $[-2, 2]$
- Use the second derivative test to find any intervals of concavity and points of inflection

$$f(x) = x^2 - x^3$$