

Quiz #9, 11/1
Math 156 (Calculus I), Fall 2022

Problem 1 is worth 10 points, for a total of 10 points. Remember to *show your work* on all problems!

1. Consider the function $f(x) = x^4 - 2x^2 + 1$ with domain $-2 \leq x \leq 2$. Find the absolute minimum and absolute maximum values of f on this domain, and also state where these extreme values occur.