"QUIZ" for Dec. 8, 2008

NAME: (print!)	Section:

1. Verify that the function

 $f(x) = x^4 + 1$

satisfies the hypothesis of the Mean Value Theorem on the closed interval [0, 2]. Then find all numbers c that satisfy the conclusion of the Mean Value Theorem.

2. Find the absolute maximum and minimum values of $f(x) = x^4 - 4x + 1$ on the interval [0, 2].