NAME: .... ID. #: . . . .

Q1. Find the absolute maximum and absolute minimum values of:

$$f(x) = x^{\frac{2}{3}}(2 - x) \quad \text{on} \quad [-1, 2]$$

Q2. Find all numbers c that satisfy the conclusion of the Mean Value Theorem for $f(x) = x^3 + x - 1$ on $[0, 2]$.