

Quiz 6 Calculus 1 10/22/2007

Each problem is worth 5 points. Clear and complete justification is required for full credit.

1. Find the critical numbers of the function $f(x) = x^4 - 6x^2 + 3$.

2. Find the absolute maximum and minimum values of $g(x) = 2x^3 - 3x^2 - 12x + 2$ on the interval $[0,4]$.