

Math 150A, Section 2, Spring 2007  
Quiz 4

**Name:**

1. Find the critical number(s) of the function  $f(x) = x^{1/3} - x^{-2/3}$ .

2. Verify that the function  $g(x) = \sin(2\pi x)$  satisfies the hypotheses of Rolle's theorem on the interval  $[-1, 1]$ . Then find all values of  $c$  that satisfy the conclusion of Rolle's theorem.

Pledged

Honor code: I have neither given nor received help on this quiz.