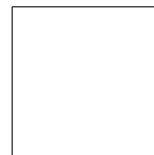


MATH 104 Quiz 8a PRINT NAME _____



March 27, 2006 SIGNATURE _____

1. (8 pts)

(a) Consider the function $f(x) = x^3 - 3x^2 - 24x + 5$.

Find the absolute maximum **M** and the absolute minimum **m** of the function f on the interval $[0, 5]$.

(b) (7 pts) Consider the function $f(x) = \frac{x}{x^2 + 4}$.

Find the absolute maximum **M** and the absolute minimum **m** of the function f on the interval $[-1, 4]$.