

Math 131

Quiz 9 – April 2, 2009

Name \_\_\_\_\_

1. Let  $f(x) = x^4 - 2x^2$

(a) Where is  $f$  continuous?

(b) Find all critical points for  $f$ .

(c) Find all possible inflection points for  $f$ .

(d) Find any asymptotes for  $f$ .

(see back)

(e) Using parts a-d, graph  $f$ .