

Sections 2 and 3 MTH 131 FALL 2000

QUIZ #2

NAME:

- I. A population is currently 200 and is growing at 6% a year.
a) Write a formula for population P as a function of time, t , in years.

b) Estimate the population 10 years from now.

c) Estimate the doubling time of the population.

II

- b) If \$12,000 is deposited in an account paying 8% interest per year, compounded continuously, how long will it take for the balance to reach \$20,000?