

### 13.4 HW quiz part 2

1) Jaime invests \$10,000 at 8.2% annual interest

a) write a function to determine the value after  $(t)$  years if the investment is compounded monthly

b.) Find the effective growth rate.

Sam wants the investment to be compounded continuously

c) write a function to determine the value after  $(t)$  years for Sam if compounded continuously

d) Find the effective growth rate of Sam's investment

e) How many years before the value of ~~the~~ investment doubles.  
Sam's