

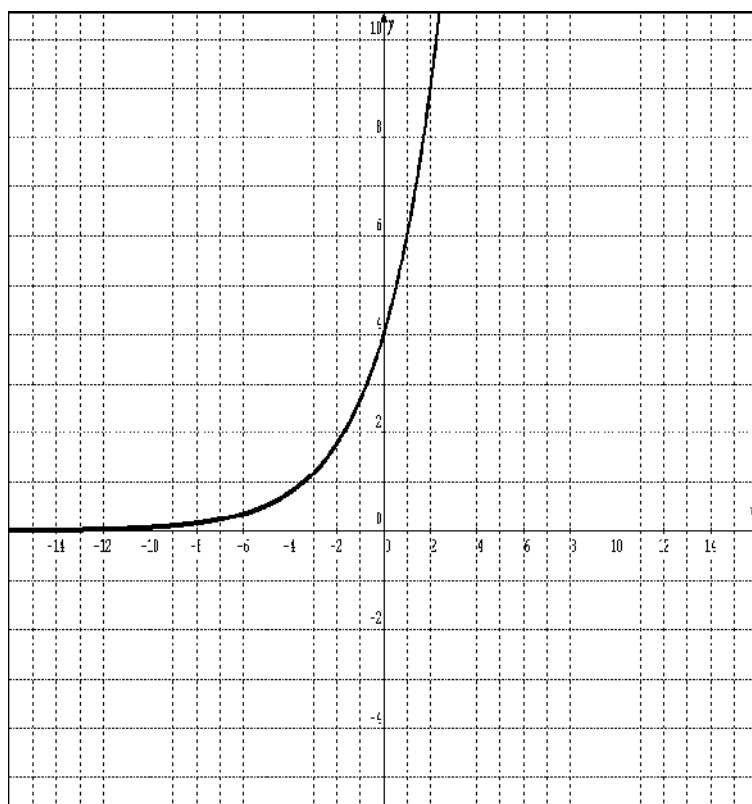
Exponential Homework II.doc

Name _____

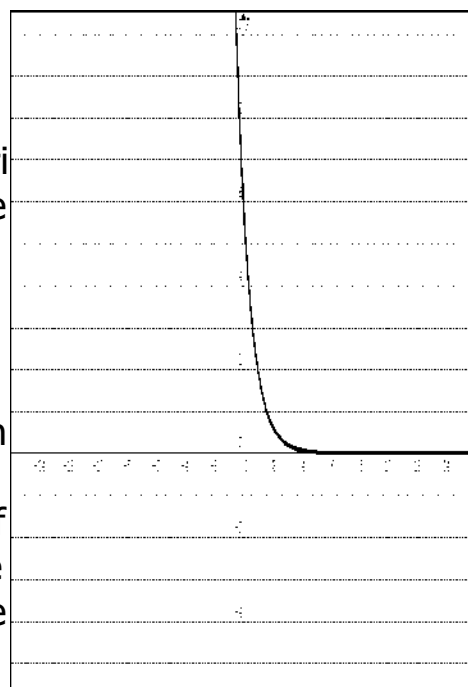
1) The world's current population growth rate (for 2018) is about 1.09%. Determine the doubling time in years.

2) The price of a movie ticket in 1970 was about \$1.50. Now the price of a movie is about \$13.00. Write an exponential equation that would express the price of a movie ticket t years after 1970.

3) Determine the equations of the exponential functions below.



4) Write the exponential function that defines the following sets of data points.



x	y
0	10
1	21

x	y
4	8
8	1

5) Find the APY (annual percent yield) for each bank account below:

a) 2.3% interest compounded monthly

b) 2.2% interest compounded continuously

c) 2.4% interest compounded annually

d) Which of the above options would yield the most money for my investment?