1. [12 points] Use the graphs to answer the questions below.

![Graphs A, B, C, D, E, F]

a. [2 points] Which of the graphs above are concave down?

Answer=__________________.

b. [2 points] Which of the graphs above have constant rate of change?

Answer=__________________.

c. [2 points] Which of the graphs above are decreasing?

Answer=__________________.
Match each verbal description of a function below to its graph above.

d. [2 points] Let $f(x)$ be the amount of money in your savings account (in thousands of dollars) $x$ years after you make an initial deposit of $10,000, assuming that the bank pays an annual interest rate of 2% and you do not withdraw or add any money to the account.

Answer=__________________.

e. [2 points] You place a mixing bowl weighing 10 grams on a weighing scale. Let $f(x)$ be the reading on your weighing scale (in grams) after adding $x$ grams of flour to the mixing bowl.

Answer=__________________.

f. [2 points] A rock is dropped from 10 meters above the ground. Let $f(x)$ be the height of the rock above the ground (in meters) $x$ seconds after you drop it.

Answer=__________________.