HOMEWORK

Math 1

1. The math department sponsors a Math Family Fun Night each year. In the first year, there were 35 participants. In the third year, there were 57 participants.

   Identify the variables in this situation: x= _____   y= _____

   a. Write an equation to predict how many participants at any given year.
   b. How many participants are predicted for the 5th year?

2. Lynn is tracking the progress of her plant's growth. Today the plant is 5 cm high. The plant grows 1.5 cm per day.

   Identify the variables in this situation: x= _____   y= _____

   a. Find an equation that represents the plants height after any given number of days.
   b. How tall is the plant after 9 days?
   c. When will the plant be 14 cm tall?

3. Your gym membership costs $33 per month after an initial membership fee. You paid a total of $228 after 6 months.

   Identify the variables in this situation: x= _____   y= _____

   a. Write an equation that gives you the total cost related to the months of your gym membership.
   b. Find the total cost after 9 months.