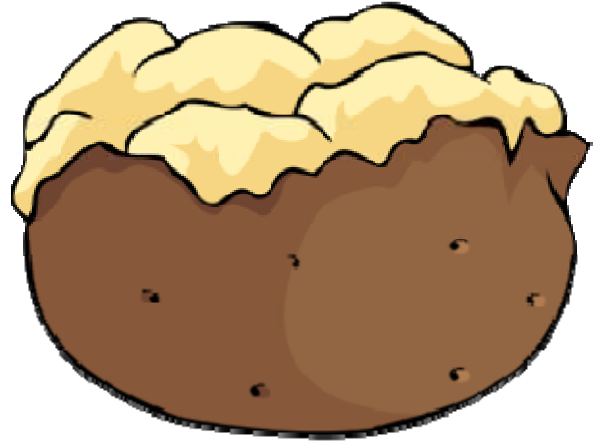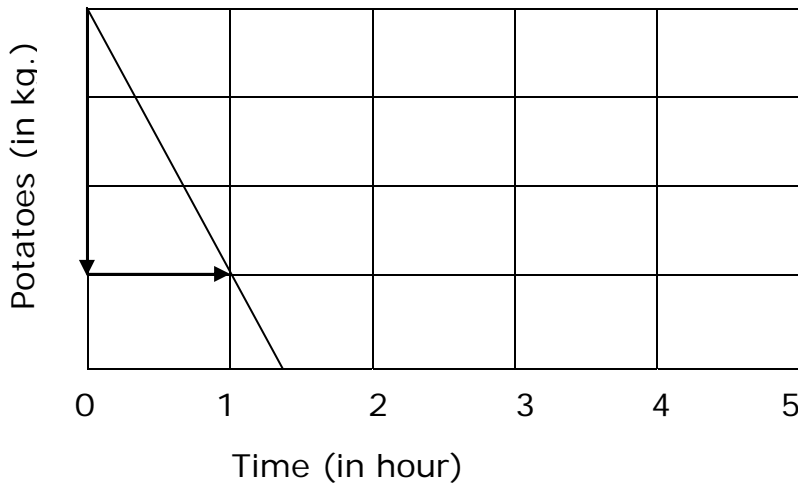Name _____   Date _____

Determining and Predicting the Rate of Change - Guided Lesson

Complete the following problems:

1) Mathew had 4 kilograms of potatoes. He peeled 3 kilograms of them in 1 hour. Now he has 1 kilogram of potatoes left. The graph below shows Mathew's situation.

a) Find the slope of the line.

b) How long will it take Mathew to peel all his potatoes?

Potatoes (in kg.)

0   1   2   3   4   5

Time (in hour)

2) Let $y = y^2 - 4$. Find the average rate of change of y with respect to x over the interval [7, 8].

3) Find the slope of the points (-7,3) and (2,-7).