Math Q114 Linear Functions

1. You have purchased a new laptop computer for $1200. The Tax consultant at H & R. Block recommends that you depreciate it (that is, assume it's value decreases) to $0 at a constant rate over a 5-year period.
   - Calculate the average rate of change of it's value.
   - Create a table of values for its value over 5 years and graph it.
   - Find the equation to represent its value V as a function of years T.
   - Why is this a linear function? What is its domain and range?

2. The average 9:00 AM temperature at Newcomb Hollow Beach on Cape Cod in April is 42 degrees. It increases by 4 degrees per month through August.
   - Calculate the average rate of change of temperature.
   - Create a table of values for values and graph it.
   - Find the equation to represent its temperature T as a function of month M.
   - Why is this a linear function? What is its domain and range?