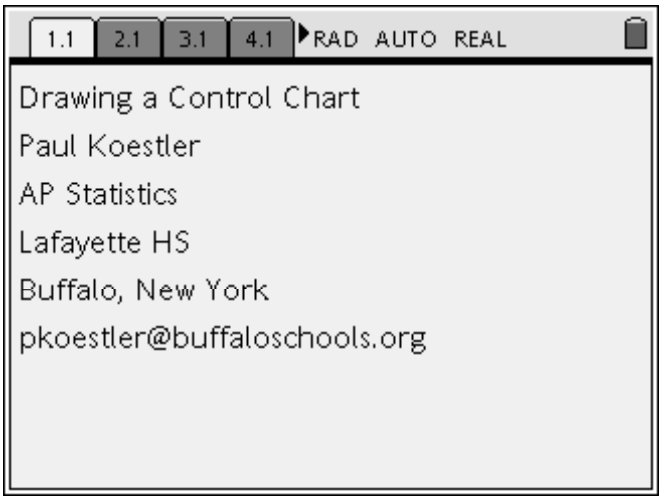
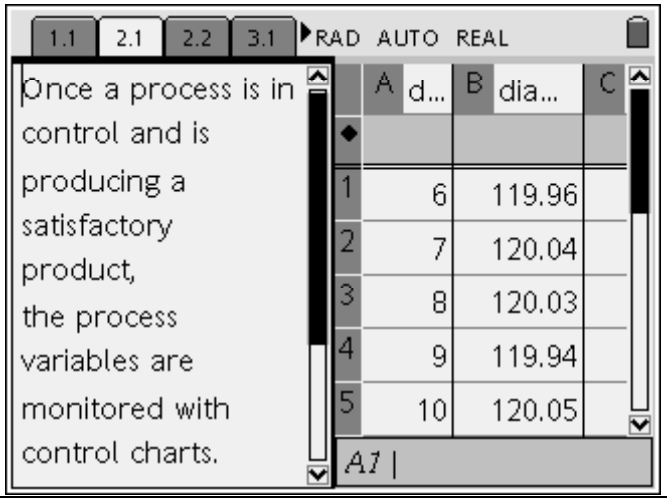
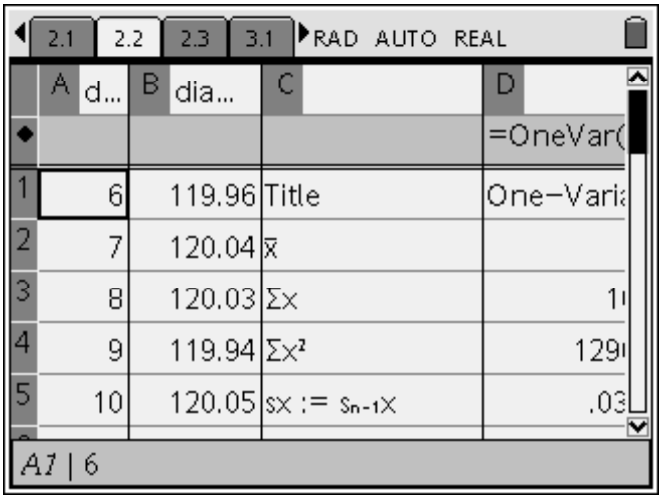
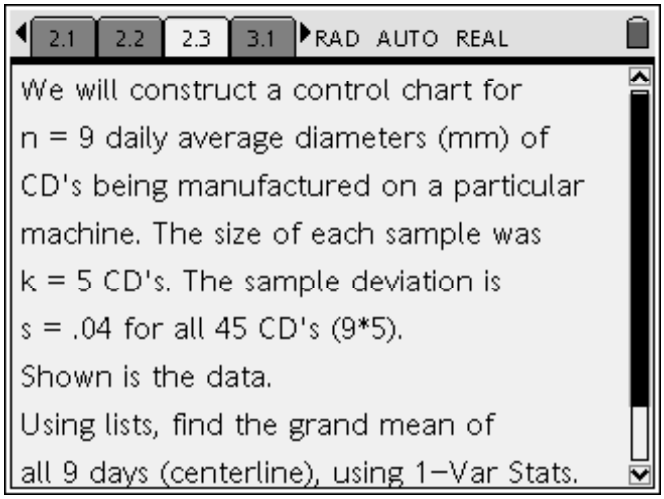
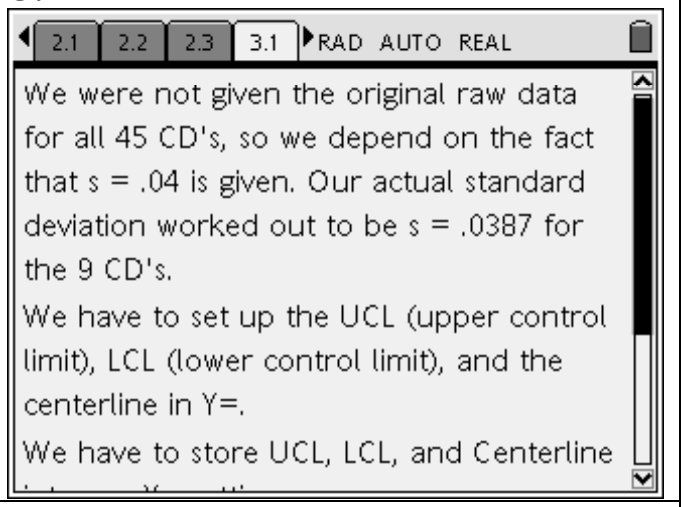
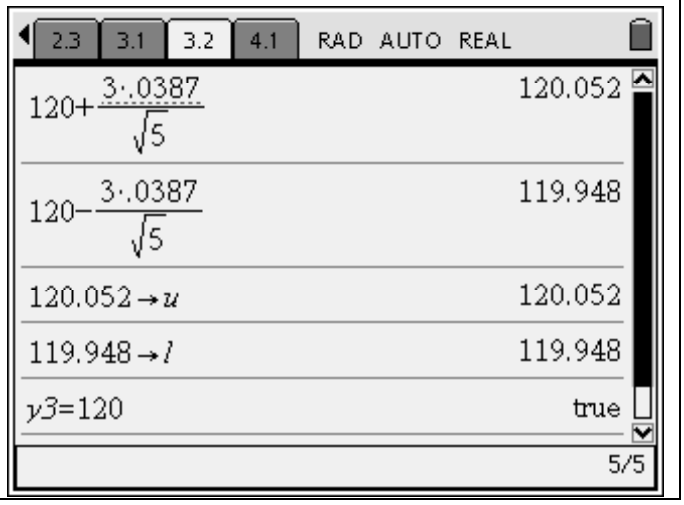
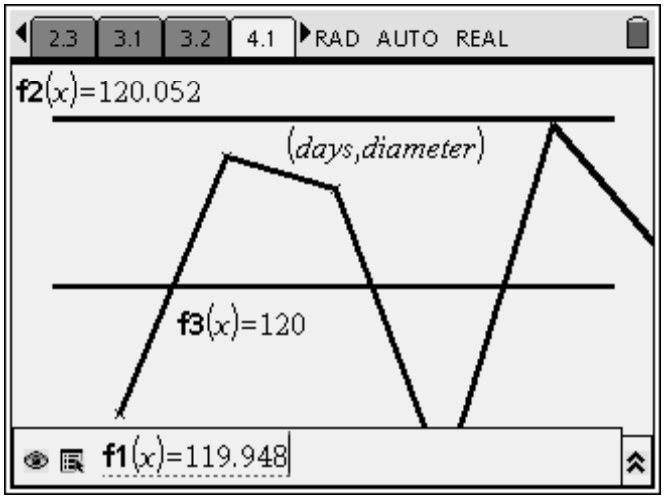
Title Page Product quality is usually monitored using statistical control charts. Measurements on a process variable to be monitored change over time. Here we will attempt to check for shifts in the process variable that might indicate control problems.	**1.1** 
New Page a) Input the data into a list.	**2.1** 
New Page a) Using 1-Var Stats with the diameter list to find our grand mean.	**2.2** 

New Page a) We now have our mean and our centerline data.	**2.3** 
New Page a) Setting up the calculator to graph our scatterplot.	**3.1** 
New Page a) Here we have found our UCL, LCL, and centerline. b) Using the sto function, we can store our functions in Y= and begin to graph our plot.	**3.2** 

New Page a) Our scatter plot will help indicate if our control process was in control or not.	**4.1** 
New Page a) Based on our findings, it is safe to say that our variability of the diameter was unacceptably high on one occasion.	**4.2**