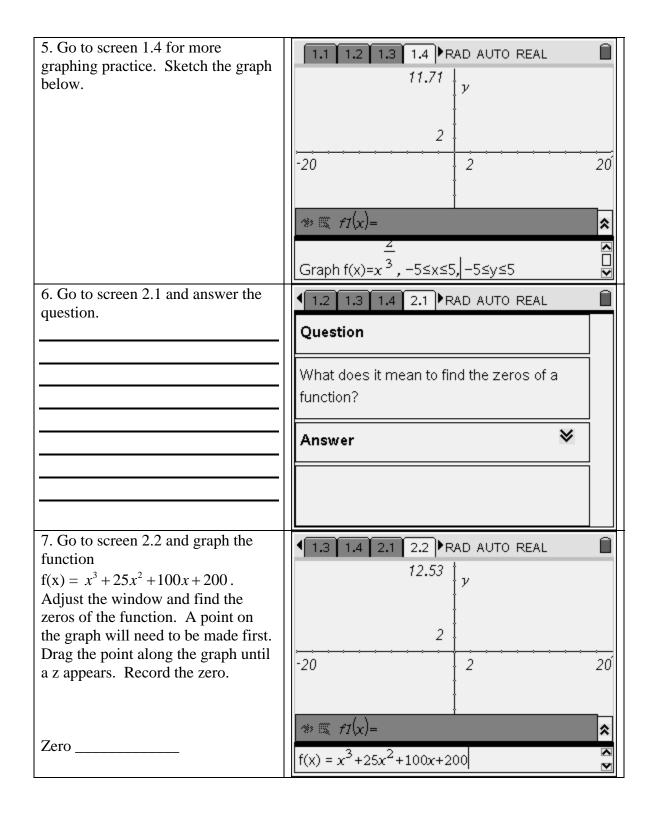
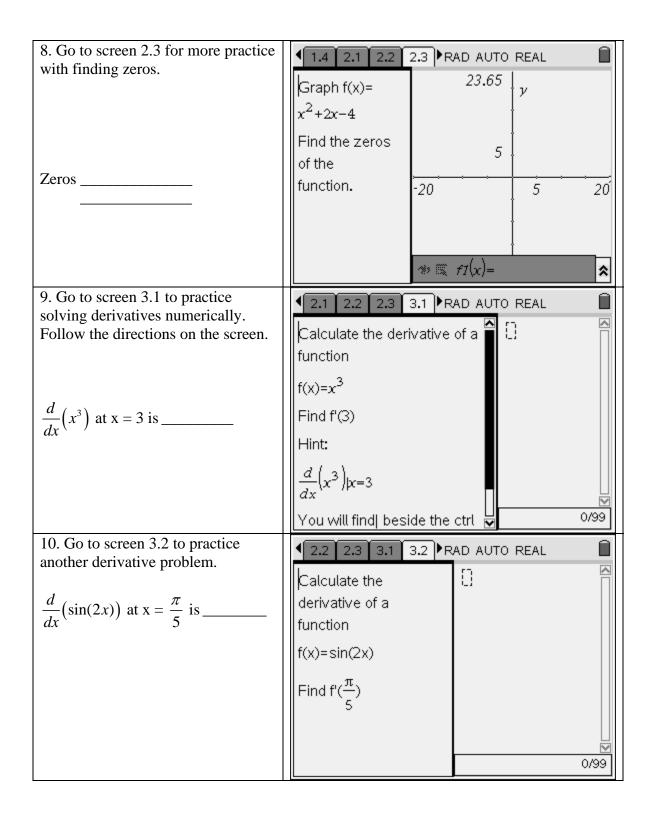
Conquer the Calculus Exam with the Nspire

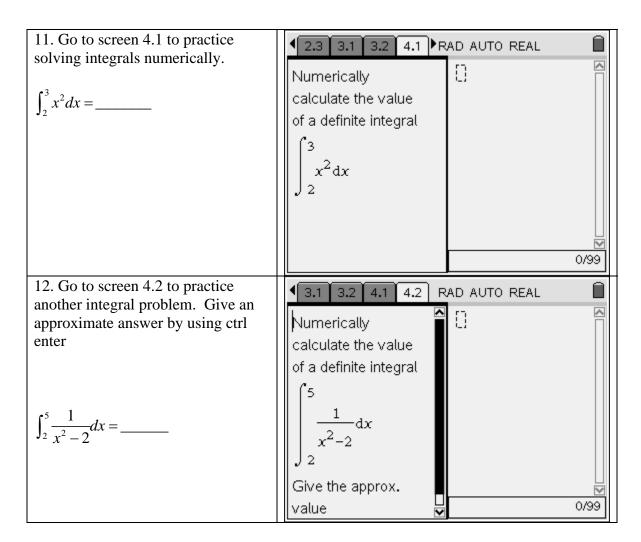
Materials: Nspire

Goal: Through this activity we will explore and practice the four necessary requirements with our Nspire calculator.

| 1. Go to the home screen and open | |
|---|--|
| the folder my documents. | |
| 2. Open the document "Conquer the | |
| Calculus Exam with the Nspire". | |
| You will be able to manipulate | |
| between screens by using tab and | |
| the right and left arrows. | |
| 3. Read the calculator requirements from screen 1.2 | There are four situations for which you should be proficient on the graphing calculator. They are as follows: |
| | Plotting the graph of a function within an arbitrary viewing window Finding the zeros of a function Calculate the derivative numerically Calculate the value of a definite integral (numerically) |
| 4. Go to screen 1.3 and follow the directions. You will need to change the window by selecting the menu. Go to 4: window – select 1:window settings and change the window Sketch the graph below. | 1.1 1.2 1.3 1.4 RAD AUTO REAL 11.9 y 2 -20 2 20 $\implies fI(x) = $ Graph $f(x) = \sin 2x, -\pi \le x \le \pi, -2 \le y \le 2$ |







Now that you have practiced the 4 calculator requirements locate some problems in your textbook and practice.