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## 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". <br> 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: <br> 1. Plotting the graph of a function within an arbitrary viewing window <br> 2. Finding the zeros of a function <br> 3. Calculate the derivative numerically <br> 4. 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 1.2 <br> 2 1.3 <br> 2  |
|  | -20 20 |
|  |  |
|  | Graph $f(x)=\sin 2 x,-\pi \leq x \leq \pi,-2 \leq y \leq 2$ |





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

