

Numint Program:

1. Enter $f(x)$ as the Y_1 function in the $Y =$ editor.
2. From the *Home* screen, use the **2nd** and **Var-Link** keys to enter the Var-Link screen. Scroll down until the the program name *numint* is highlighted and press **ENTER**..
3. When the expression *numint*(appears on the command line, complete it so it reads *numint*() and press **ENTER**.
4. The program then prompts you to key in the lower limit of integration, a ; the upper limit, b and the number of subintervals, n .
5. The left sum, right sum and trapezoid approximations then appear. Press **ENTER** to obtain the midpoint sum and the Simpson (SIMP) approximations.

Warnings:

- Do not use very large integers for n .
- If your calculator starts "spinning" and does not give you an answer for awhile, press *ON* to interrupt the calculation.