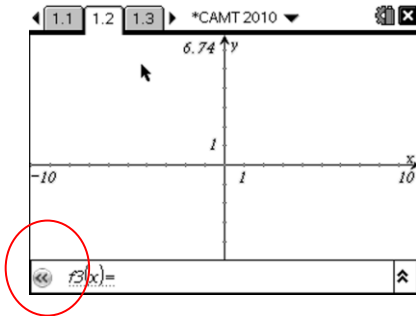# Nspiring Play Time

## 1   Graphs

1. Press **Home** 🏠on → 1 – New Doc
2. **Press 2 – Add Graphs**
3. Graph the following:

   f1(x) = 2x+2

   f2(x) = $x^2$-2 (Press the TAB key to bring up the entry line at the bottom)



4. Press the **Menu** menu key.  What happens?
5. Scroll around in the menus for a few seconds just to see what is there.  How many options are under the **Analyze Graph** menu?
6. How do you get out of the Menus (Hint, how would you do it if you were on a computer?)?
7. What happens if you press **Ctrl-Menu (** ctrl menu **)**?  How many options are there?
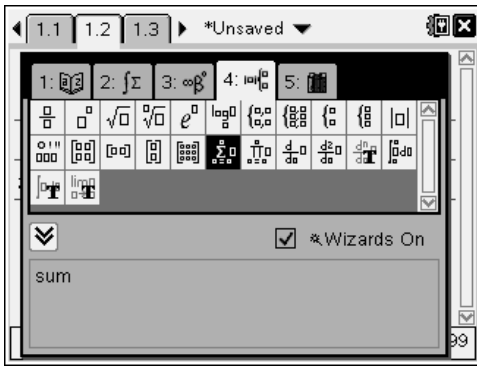
## 2   Calculator

1. Press **Home** 🏠on

2. Move mouse to the Calculator icon [icon] and click 🔆 on it

   Add ½ + ¼
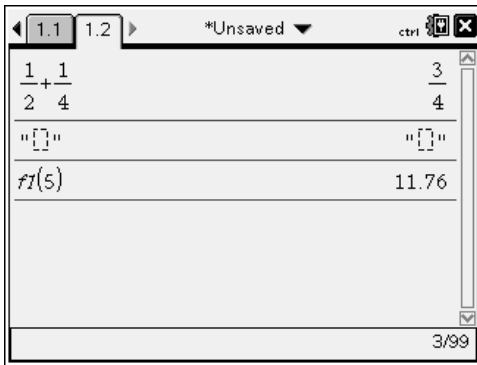
3. Using the alphanumeric keys enter the following:

   f1(5) – What do you get?

4. What happens when you press the **Catalog** 📖 key (right below the Delete key)?
5. Using the Touchpad and Number keys, scroll though the tabs for a minute or so to explore what is in the catalog.  How do you get out of this?

6. Once you are out, press the **Menu** `menu` key. What happens?

# 3 Move between Tabs



1. At the top of the screen, you will see tabs.
2. Press **Ctrl – Left (** `ctrl` `◄` **)** on Touchpad. What happens? How would you get back to the Calculator application?

# 4 Geometry

1. Press **Home** `on` and click on the Geometry icon .
2. Press **Menu** `menu`.
3. Scroll through the menu options.
4. How many different "Shapes" can you create?
5. Create a rectangle. Press `esc` when you have finished creating the rectangle.
6. Can you figure out how to "Measure" the area?
7. Where is the scale on the screen?
8. How many Geometric items can be "Constructed?"

# 5 Explore

1. Press SCRATCHPAD button `🖩`. What happens?
2. Press **Ctrl-Right (** `ctrl` `►` **)**. What happens?
3. How do you get out of Scratchpad? (There are at least two ways! See if you can find them both!)
4. Press **Ctrl Left (** `ctrl` `◄` **)** as many times as necessary to get back to the calculator application.
5. Press **Ctrl-trig (** `ctrl` `trig` **)**. What happens?
6. Press the **Menu** `menu` key and scroll through the menu options.
7. Convert the following decimal to a fraction: 0.34343434343434. What do you get?