










Getting to Know the Keypad

1. How many keypads are there for this device? _____
2. What color are the letters? _____
3. Which key do you push to access the light blue functions on the keypad? _____
4. The CLICK button is located in the center of the NavPad. What body part appears on the CLICK button? _____
5. What geometric shape are the black keys? _____ The black keys along the sides and top are operational keys. Look carefully at the black keys, draw the key that you think might allow access to the calculator's catalog. _____
6. If you make a mistake, you can press   to "undo."

Navigating the Handheld





1. Press  to turn the calculator on.
2. Press the  (the home key). There are _____ different options from which to choose. Which one might you select to graph a line? _____ Which one/ones remind you of some computer functions? _____
3. What choice is "New Document"? _____ Select it by pressing the number. You do NOT want to save the document. Use the "wheel" to move to NO and press OK.
4. You will now have more options—how many more? _____ Select option 1: Add Calculator.
5. Press  . It brings up a template for various symbols that you can use. What does the first symbol represent? _____ Press  to make the symbols go away.
6. Do the following problems on your calculator.
 - a. $-478 - 381.2$ _____
 - b. $26.1 \text{ times } 83.6$ _____ What does the times sign look like on your screen?



 - c. 5^{10} _____ What button did you press to get the exponent to appear? _____
 - d. $3^8 - 4^5$ _____ Make sure your screen matches the problem ☺
What did you do to get out of the exponent box?

e. $|-28.87| + 2|19.3|$ _____

Where was the absolute value sign?

f. $\sqrt{27}$ _____

Did you use   or   ? _____ Try them both!



6. Fractions look pretty neat on the Nspire and can be typed in lots of ways! The easiest way to type fractions is just to use the division sign. So, $\frac{1}{2}$ is 1 divided by 2 and $3\frac{1}{2}$ is 7 divided by 2. If a fraction is full of fractions or looks complicated, you can   and choose the fraction. Try the following problems.

a. $\frac{3}{5} + \frac{5}{7}$ _____

b. $\left(\frac{4}{3}\right)\left(\frac{3}{5}\right)$ _____



Is your answer given as a decimal or



a fraction? _____ To get the

decimal answer, press  .



What did you get? _____

c. $\frac{\frac{1}{3} + \frac{1}{5}}{\frac{4}{7} - 2}$


7. I discovered that I made a typo in #6, part c. I really meant for the problem to be +2 not - 2. Instead of retyping it, press  twice and press . What happened? _____ Now arrow over and fix the mistake. What is the correct answer? _____




8. I am tired of doing plain problems—I want to draw a graph! Press   to insert a new page. If I want to make a graph, what choice should I pick? _____ When you pick this, the number at the top of the screen changes to _____. This means problem #1, page 2.

9. What is the maximum x-value on your graph? _____ What is the minimum y-value on your graph? _____ What is the scale on the graph? _____

10. At the bottom of the screen you should see $f1(x)=$, this is the same as "y=" on the TI-83 or TI-84. Type in $3x-2$ and press enter. The $f1$ changed to _____ and the $f1$ equation moved to _____. If the $f1(x)=$ disappears, press  .

11. Oops! I messed up again! The equation was supposed to be $\frac{3}{2}x-2$. How can you change it without retyping it into $f2$? _____

12. I want to make a new graph page. What do I press to insert a new page? _____. On this graph page, I want to hide the axes. How do I do this _____ (hint: press ). Now, I can make a triangle. Go back to the menu and choose _____. Click once to make one vertex, move to another location, click to make the second vertex, move to make the third. Isn't that neat? _____





13. Press  to make the pencil in the left hand corner go away. What happens to the arrow if you move it over a vertex? _____. To close the hand, press  . Now, drag it around. What happened to your triangle? _____

14. Ok, enough geometry. Let's look at a list. Insert a new page and choose Lists and Spreadsheets. Wow! What do you see? _____ It should like a popular program—do you know which one? _____

15. Fill in column A with the numbers 1 thru 5. UNDER the B in the gray box, type $=4+A$ and press enter. What happened to column B? _____ Go to an empty cell in column A and type a number and press enter. What happened? _____

16. OK! OK! Enough math for now! Let's insert a Notes page. What does the screen look like? _____ This page is only for typing. Type your first name on the first line, last name on the second line. How do you change from caps to lower case? _____

17. On the third line, type in the problem $2 + 2$. What happens when you press enter? _____ Why do you think this is the case? _____

18. You are almost done 😊 Press   and select NO. You do not want to save your document. This is how you will always close your calculator sessions. Finally press   to turn off the calculator.