


Nspire Scavenger Hunt






name _____

1. Press the home key () . How many options do you see?

2. 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.

3. You will now have more options—how many more? _____ Select option 1: Add Calculator.

4. Press   . It brings up a template for various symbols that you can use. What does the first symbol look represent? _____ Press  to make the symbols go away.

5. Do the following problems on your calculator.

a. $-478 - 381.2$ _____

b. 26.1 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. $\frac{3}{5} + \frac{8}{7}$ _____

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

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

Is your answer given as a decimal or a fraction? _____ To get the decimal answer, press  . What did you get? _____






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, I can arrow UP to the problem and press enter. 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 83 or 84. Type in $3x - 2$ and press enter. The f1 changed to _____ and the f1 equation moved to _____.

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, 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 😊 All you have to do now is save your document. To do this, go back home and choose My Documents. Press  and choose new folder. Change the name from Folder 1 to .yourname Then, go back to the menu and choose save as. Be sure to change the name of the folder to your name and name the file Scavenger Hunt.