

***A Scavenger Hunt for TI-nspire Clickpad with OS 2.0***  
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**Getting to Know You**

1. How many keypads are there for this device? \_\_\_\_  
Slide in the TI-Nspire keypad for the remainder of this adventure.
2. What color are keys with letters? \_\_\_\_\_
3. What key is located under the  key? \_\_\_\_\_
4. Which key do you push to access the light blue functions on the key pad? \_\_\_\_\_
  - a. Find the key with “ans” in blue. It uses your previous answer for next calculation.
  - b. What shape is in blue on the divide button? \_\_\_\_\_.  
This function is very useful for rational expressions.
5. The Click button is located in the center of the NavPad.  
What body part appears on the click button? \_\_\_\_\_.  
A point or object is selected by   or by simply holding .
6. The black keys along the sides and top are operational keys.
7. What geometric shape are the black keys? \_\_\_\_\_
8. Where is the key that looks like a book? \_\_\_\_\_  
It allows access to the calculator’s catalog.
9. If you make a mistake, you press   OR   to “undo.”  
To “redo” press  .
10.  works like the backspace key on the computer.
11. Where is the clear button? \_\_\_\_\_.  
  will clear an entire line.
12. To adjust the contrast, hold down the  and press  to darken the screen  
or   to lighten it.

**Exploring Home**

**When in doubt, GO HOME!!**

13. Press  key.
  - a. What options are listed under the Scratchpad? \_\_\_\_\_,  
\_\_\_\_\_.
  - b. What options are the first two options listed under Documents? \_\_\_\_\_, \_\_\_\_\_.  
You may have two other options: 3:Recent and/or 4: Current.
  - c. How many ICONS allow you to Add page? \_\_\_\_\_ .
  - d. Choose 5: Settings & Status.
    - i. If someone has changed languages, how do you correct it?  
\_\_\_\_\_
    - ii. Which option would you use to change from radians (default) to degrees? \_\_\_\_\_
    - iii. How would I change the Font Size? \_\_\_\_\_
    - iv. Go to 4:Status option.
      1. How much battery life is left? \_\_\_\_\_
      2. What Version of the OS is being used? \_\_\_\_\_
      3. What is the serial number \_\_\_\_\_

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**Let's do some ciphering!**

14. Press  key. Select the first ICON  to access the calculator.  
 A blank page appears on the screen and a tab labeled 1.1 appears in the top left. This means you are in Problem 1, Page 1.
- \_\_\_\_\_ appears in the bottom right of the screen.
  - Type in   289 . Record your answer \_\_\_\_\_
  - Type in 12  and press . Record your answer \_\_\_\_\_
  - Type in  $[4-3(2-4)^3-7]$   and press . Did you get 441? \_\_\_\_\_  
*HINT: After the three, press down on the NavPad.*
  - Type in 25  4 . What did you get? \_\_\_\_\_
  - What do you think the 4/99 that appears in the bottom right of the screen means? \_\_\_\_\_

15. Press . Does your screen look like this? \_\_\_\_\_

- Explore each of these menus using the arrow keys on the NavPad.

- Choose 2: Number, 1: Convert to Decimal .  
 Record your answer. \_\_\_\_\_

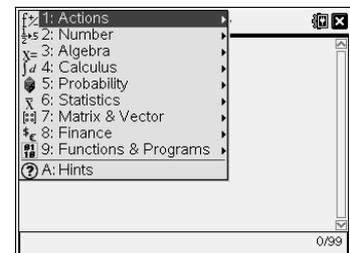
- Choose 2: Number, 7: Fraction Tools.  
 Select 1: Proper Fractions and press .  
 Type 56/9 and press .

- What appears on your screen? \_\_\_\_\_

- What does this represent? \_\_\_\_\_

- Press the top if NavPad twice until a black box appears around the problem. Press  and edit the problem using the NavPad and the  to change the 6 to 7 then . What do you notice? \_\_\_\_\_

-  1: Actions 5: Delete All will clear all history.



**I'm Nspired to do some graphing!**

16. Press  key. Highlight the Graphs Icon  and press .

17. In the entry line, after  $f(1) =$  type "2x -6" .

- Where does the line cross the y axis? \_\_\_\_\_.

- Where does the line cross the x axis? \_\_\_\_\_.

- Use   to add another line, or up (NavPad) to edit  $f(1)$ .

-   again, will close the entry line. (Toggles)

- Use   to add a table. Which points verify above? \_\_\_\_\_, \_\_\_\_\_

-  1: Actions 5: Delete

18. Explore each of the menus using the arrow keys on the NavPad. Under which option can you add a grid to your graph? \_\_\_\_\_

- Did you successfully add a grid to your graph? \_\_\_\_\_

- How many graph types are there? \_\_\_\_\_

- What figure appears beside 8: Measurement? \_\_\_\_\_

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19. Plot points (2, 2) and (4,-2) on graph paper.
- a. Count rise over run to find the slope of the line. \_\_\_\_\_
  - b. Now use the Slope Formula  $(y_2-y_1)/(x_2-x_1)$  to find the slope
  - c. Verify your answer by using the TI-nspire.
    - i. (menu) 7: Points & Lines
    - ii. 1: Point
      1. What shape appears next to the word "point?" \_\_\_\_\_
    - iii. Use NavPad to move cursor to the first point (*point on* appears) .
    - iv. Use NavPad to move cursor to the second point (*point on* appears) .
    - v. (menu) 7: Points & Lines
    - vi. 4:Line
    - vii. Click one of the points, move cursor (NavPad) and click on the second point. .
    - viii. Move cursor to the line until the open fist appears.  
Hold  until the fist closes.
    - ix. (menu) 8: Measurement 3:Slope   
Move cursor off to one side and  again. Slope = \_\_\_\_\_
    - x. Grab one of the points and move it. The new slope is \_\_\_\_\_ .

**Another Point of View**

20. Press  key.
21. Highlight the Geometry Icon 
22. What appears in the upper right corner? \_\_\_\_\_
23. How can I get rid of the scale? \_\_\_\_\_ .
24. Open the menu (menu).
- a. Which options are grey indicating they are not available?
    - i. \_\_\_\_\_
    - ii. \_\_\_\_\_
25. Create a regular pentagon.
- a. (menu) 9:Shapes
  - b. 5: Regular Polygon
  - c. Click to indicate center, again to indicate outer edge.
  - d. Use the NavPad to change the number of sides until there are five.
  - e.  
  - f. (menu) 9:Shapes 1: Circle
  - g. Move cursor to center of pentagon and click.
  - h. Move cursor to one of the lines.
    - i. What do you observe? \_\_\_\_\_
  - i. Continue to move the cursor to one of the vertex and .
    - i. What have you constructed? \_\_\_\_\_ .
  - j. What is the measure of the angles? \_\_\_\_\_ .
  - k. How can you verify all the sides are the same? \_\_\_\_\_ .

How many items were you able to Scavenge? \_\_\_\_\_