



A Scavenger Hunt for the TI-Nspire Touchpad

Getting to Know You

1.	. Where is the "ON" key?				
	a. Turn the Nspire handheld on.				
	b. What picture is on the key?				
2.	Where is the small round button labeled "ctrl?"				
	a. What color is the button?				
	b. What else is the same color?				
	c. When this key is pushed followed by another key the feature listed above the key				
	becomes active.				
	a. How do you turn the handheld off? Try it!				
	b. Were you successful in turning the handheld off?				
	c. Find the key with "ans" in blue. It uses your previous answer for the next				
	calculation.				
	d. What shape is the blue above the divide button?				
3.	What key is located under the (f) on key?				
٥.					
	a. What is the blue above the $(\mathbf{doc}\mathbf{v})$ key?				
4.	Where is the menu key?				
	a. (ctr) (menu) is like a right click on the computer (context menu).				
	a. The a right click on the computer (context mend).				
5.	Where are the letter keys?				

a. What body part appears on the click button?
i. The enter key can also be used to "Click."
b. A point or object is selected by
i. (ctr) Or by simply pressing and holding .
7. The black keys along the sides and top are operational keys.
a. Find the four keys for addition, subtraction, multiplication and division.
i. Where are they located?
b. Where is the key that looks like a book?
i. This is a powerful tool that allows access to the calculator's catalog
8. See if you can find the delete (del) button. What shape is it?
a. (del) is the backspace key.
b. To clear a line at once you press ctrl del buttons in sequence.
c. To undo the last entry, try ctrl esc or ctrl Z.
d. To "redo" press (ctr) Y.
9. What picture does the key below (esc) have on it?
a. It is the shortcut to the Scratchpad. We'll explore it later.
ar tels the shorteat to the soluton pad. We is explore to later.
10. To adjust the contrast,
a. HOLD ctrl and press + to darken the screen or
b. HOLD (ctrl) and press (-) to lighten it.
44. European the other leave on the Niggins Alexandra their secondary for the control of the con
11. Explore the other keys on the Nspire. Also observe their secondary functions.

6. The Click button is located in the center of the Touchpad.

Exploring Home

When in doubt, GO HOME!!!!

a.	Turn the Touchpad on again.
b.	Press (f) on to go Home if necessary. What options are listed under Scratchpad?
~·	to go nome in necessary. What options are instead and en solution pad.
C.	What are the first two options listed under Documents?,
	You will also see three other options: Recent, Current, and Settings.
d.	How many ICONS allow you to Add a page?
e.	Choose Settings.
	i. If someone has changed languages, how do you correct it?
	 ii. Which option would you use the change from radians (default) to degrees?
	iii. How would I change the Font Size?
	iv. Choose Status (go back to Settings if necessary)
	 How much battery life is left?
	What version of operating system is being used?
	3. What is the serial number?
	a. Use the tab key to move between options until
	ABOUT has a HEAVY BORDER then enter). The
	Product ID is the serial number.
	b. Press esc esc to go back HOME.
Let's do some ciph	ering!
12. From H	IOME select
a.	New Document
b.	It is your option whether to save or not.
C.	Add Calculator
d.	You can add a new page to your current document by selecting the 🚨 icon.
e.	A blank page appears with a tab labeled 1.1 appears in the top left. This means you
	are in Problem 1, Page 1. If you did not start with New Document this tab may be
	different.
f.	appears in the bottom right of the screen.
13. Evaluat	re:
a.	$\sqrt{289}$ Record your answer
	i. Hint: Type in $(ctrl)(x^2)$ 289 (enter).

k).	12 ² Record your answer					
		i. Hint: Type in 12 x^2 enter.					
c	: .	$\left[4-3(2-4)^3-7\right]^2$ Did you get 441?					
		i. Hint: Type $[4-3(2-4)^{3}-7]$ (x ²) and press (enter)Make sure					
		after the second three, press down or right on the Touchpad to exit					
		exponent mode.					
C	d.	Type in 25 (÷) 4 (enter). What did you get? Press (ctri) (enter).					
		What happened? Type in 25 (•) (÷ 4. What happened					
		this time? Summarize your observations:					
							
e	<u>.</u>	What do you think the 4/99 that appears in the bottom right of the screen means?					
	<i>(</i> .	F2 1: Actions Si X					
	`	menu). Does your screen look like this?					
đ	1.	Explore each of these menus using the up/down \$\\ \frac{1}{8}\$ 5: Probability \(\frac{1}{8}\$ 6: Statistics \(\frac{1}{8}\$ 7: Matrix & Vector \(\frac{1}{8}\$ 8: Finance					
b).	Press (menu), Number, Convert to Decimal					
_		(enter)					
		i. Record your answer					
		ii. Note: (ctr) (enter) also converts to a decimal.					
C		Press (menu), Number, Fraction Tools. Select Proper Fraction and press (enter).					
	•						
	d.	Type 56/9 and press (enter). What does this represent?					
	٠. <u>٠</u> .	Press on the Touchpad twice until a black box appears around the problem.					
	••	Press (enter) and edit					
f	•	Use (ctrl) T to add a table. Which points veryify above?,					
		i. "Undo" until table is gone. ((ctrl) (esc))					
g	g. Use ctrl G to add another line, or up (TouchPad) to edit f(1).						
h	١.	again, wll close the entry line (Toggles)					

	i.	Clear tl	he entry line the problem using the Touchpad and the del to change the 6 to
		7 then	(enter). What do you notice?
	j.	Press (menu), Actions. Clear History will clear your page of calculations.
ľm Ns	spired to do	some gra	aphing!
	15. Press	ctrl (do	to insert a new page. Choose Add Graphs.
	16. In the	entry lin	ne, after f(1)= type "2x-6" (enter).
	a.		does the line cross the y axis? x axis?
	17. Press	(menu)	and explore each of the menu options using the arrow keys on the Touchpad.
		$\overline{}$	ption can you add a grid to your graph?
	a.		u succcessfully add a grid to your graph?
	b.		any graph types are there?
	C.	What f	igure appears beside Measurement?
OP	**If yo	ou have t	ime, you can go on at your own pace.
	18. Plot po	oints (2,2) and (4,-2) on graph paper.
	a.		rise over run to find the slope of the line
	b.	Now us	se the Slope Formula $(y_2-y_1)/(x_2-x_1)$ to find the slope.
		i.	Now on your handheld, press (menu), Points & Lines. (make sure your
			grid is showing for this part)
		ii.	Choose Point.
			1. What shape appears next to the word point?
		iii.	<u>Lightly move your finger</u> across the Touchpad to move cursor to (2,2)
			(point on appears) (enter)
		iv.	Do the same to plot (4,-2).
		٧.	Press (menu), Points & Lines, Line.
		vi.	Click one of the points, move the cursor using the Touchpad and click on the
			second point. Press esc.
		vii.	Press menu, Measurement, Slope, enter. Click on the line. Move the
			cursor away from the line and press enter to place the slope on the graph
			page. Slope=
		viii.	Grab the point at (2,2) and move to (3,2). The new slope is

ix. Find a point that will give a slope of zero					
x. What happens when a vertical line is drawn?					
Another Point of View					
Another Foint of View					
1. Press ctrl doc v to insert a new page. Choose Add Geometry.					
2. What appears in the upper right corner?					
3. How can I get rid of the scale?					
4. Press (menu).					
a. Which options are grey indicating they are not available? i ii					
5. Create a regular pentagon.					
a. Press (menu), Shapes, Regular Polygon.					
b. Click to indicate the center, again to indicate outer edge.					
 Swipe right or left on the Touchpad to change the number of sides until there are five. 					
d. Press enter), esc).					
e. Press (menu), Shapes, Circle.					
f. Move cursor to center of pentagon and click.					
g. Move cursor to one of the lines. i. What do you observe?					
h. Continue to move the cursor to one of the vertices and press enter.					
i. What have you constructed?					
i. What is the measure of each angle?					
j. How can you verify all the sides are the same?					
How many items were you able to Scavenge?					