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| TI Logo | TI-Nspire CAS Scavenger Hunt - Touchpad |

**Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Getting to Know the TI-Nspire™ Touchpad**

1. Press  to turn on the handheld. To adjust the contrast, hold down the  and press which key to darken the screen? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (+ or -)
2. Where are the letters? What do you notice about them? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ (QWERTY? Alphabetical?)
3. Which key do you think you push to access the creamy white (yellow) functions on the keypad? \_\_\_\_\_\_\_\_\_

Touchpad for Question 4

1. The Touchpad is used to navigate the cursor around the screen. The key in the center of the Touchpad is

called the CLICK button. What body part appears above the CLICK in the middle of the Touchpad? \_\_\_\_\_\_\_\_\_

**Starting to Navigate the Handheld**

1. Press  to enter the Home Screen.

a. How many options are there to select from at the bottom (for New Document? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b. Which option(s) might you draw a polygon? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c. Which option is new to you? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Press  use your touchpad to create New Document. If prompted to save current document, choose [NO]. Press 1 to start the new document with a calculator. A blank page appears on the screen and a tab labeled 1.1 appears in the top-left corner of the screen. What appears in the lower-right corner of the screen? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Perform the following calculations.

a. Type 1/2+1/3 and press . What do you notice? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

b. Press  + . What do you notice? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

c. Type and press  What do you notice? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

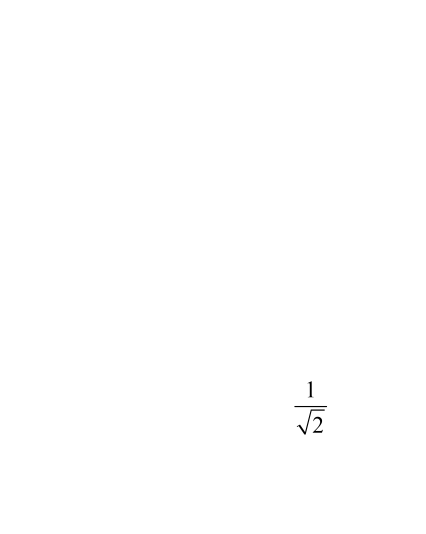
d. Type (4–3(2–4)3–7)2 and press . Notice the faded images of the closing parentheses.

What was the result? \_\_\_\_\_\_\_\_\_\_\_\_

1. What do you think the 4/99 in the bottom-right corner of the screen means? \_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. The handheld is designed to mimic the operation of computers and computer software. Many of the traditional shortcut keys used with computer software are available on a TI-Nspire handheld.

Press  Z . What does it do? \_\_\_\_\_\_\_\_\_ Press  Y. What does it do? \_\_\_\_\_\_\_\_\_

1. Perform the following calculations. Ask your neighbor (and then your teacher) if they know a shortcut about using the history to do letter d once c is done.



1. Perform the following actions. How do you access the necessary symbols.
   1. Type –4 < –5. What did you get? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   2. Type 100! How many zeros are at the end of this? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
   3. Type  Could you find the icon to do the cube root? What did you get? \_\_\_\_\_\_\_
2. An important TI-Nspire key combinations to be remember and take away from this activity is  + . .

Again, what does this do? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

This is CAS = Computer Algebra System – a great tool for exploring mathematics, checking your work, identifying patterns, remediation, and climbing the tree of mathematics.