**TI 84 Scavenger Hunt**

1. Find the BLUE button. What does it say? \_\_\_\_\_\_\_\_\_ What do you think it does? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Find the GREEN button. What does it say? \_\_\_\_\_\_\_\_\_ What do you think it does? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Type in “ 2nd + 7 1 2 “ – what happens? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ When do you think you should do this? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Type the number 1234, then hit ENTER. \_\_\_\_\_\_\_\_\_\_\_\_ Now type the number 9,876,543,210,987,654 and hit ENTER. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Did you get the same thing that you entered in? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Why do you think this is true? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. What happens to the screen when you push? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

How can you fix this? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. The “ ^ ” button is called the “caret” button, and we can use it to raise a number to a power (exponents!). Find 65. \_\_\_\_\_\_\_\_\_\_ To square a number, you can use the “ x2 “ button instead of the caret button (if you want). What is 562? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ One way you can cube a number is going to MATH and choosing option 3. What is 363?
2. If you have brackets in an expression, it’s important that you type them in your calculator. Evaluate: 2 { 3 + 10 / 2 + 62 – ( 4 + 2 ) } ENTER \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Clear your screen. Now press 2nd ENTER. What happens? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Use the left arrow to highlight { and } and change them to ( and ) and press ENTER. Does it make a difference which brackets were used? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Why might you use { and } ? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Use your calculator to answer the following:

2 \* 41.587 = \_\_\_\_\_\_\_\_\_\_\_\_ 2,578 / 4 = \_\_\_\_\_\_\_\_\_\_\_\_ 369 + 578 = \_\_\_\_\_\_\_\_\_

Press 2nd ENTER two times. What pops up? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Use the left arrow to change the 4 to a 2. What answer do you get? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ How might this be helpful? \_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Press MATH – what do you think the first option will do? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Clear your screen and press 0.56 MATH and choose option 1. What answer to you get? \_\_\_\_\_\_\_

Is this what you expected? \_\_\_\_\_\_\_\_\_\_\_\_ Why? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Find the key that says “ X,T,Θ,n “ – what letter shows up on the screen when you press it? \_\_\_\_\_ When do you think we might use this key? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Now press enter – what do you get? \_\_\_\_\_\_\_\_\_\_\_\_\_\_. Find the button that says “ STO 🡪 “. Press “ 5 STO🡪 X ENTER “: \_\_\_\_\_\_\_\_\_\_. Clear the screen and press X. what do you get? \_\_\_\_\_\_ No press “ 10 STO🡪 X ENTER “: \_\_\_\_\_\_\_\_\_. Clear the screen and press X again. \_\_\_\_\_\_\_ Will pressing the X button always give you the solution to an equation? Why? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Find the grey keys at the top of the calculator. Press “ Y= “ and then “ 2 X – 1 “ and then press GRAPH. Describe what you see: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Now press ZOOM and select option 6. Press MODE, arrow to the bottom, select G – T and press ENTER. Press GRAPH again. What appears on the screen? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

When do you think this might be useful? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

1. Press “ 5 / / 9 ENTER “. What happens? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Press 2 to go to the error. Press DEL ENTER. What do you get? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. To convert this number to a fraction, press MATH and select option 1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. The “ ( - ) “ button will is the negative sign. This is different from the subtraction button! Type in ( -2 )2, what do you get? \_\_\_\_\_\_\_\_\_\_\_\_\_\_. Now type -22, what do you get this time? \_\_\_\_\_\_\_\_\_\_ Why do you think you got two different answers? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. Find the blue letters that say EE. How can you access this function? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Type in 2 E 6 and press ENTER. Write the number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Type in 9 E 2 and press ENTER. Write the number: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. Describe what you think the EE key does: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. Type in “3 / 10” \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Now press MATH, go right to the NUM menu and choose the last option. Put 3 in the numerator and 10 in the denominator and then press enter. What do you notice? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ SO – how can you type in a fraction on the calculator??? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Reflection – Write in complete sentences!**

1. What are **two** things you learned how to do on your calculator today that you didn’t know before?
2. What is one thing you still wish you knew how to do on the calculator?