

## Focus Activity: Graphing Calculator Scavenger Hunt

1. Press  $2^{\text{nd}}$   $+$   $\text{ENTER}$  What is the ID# of your calculator?

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2. For help, what website can you visit? \_\_\_\_\_

3. What happens to the screen when you push  $2^{\text{nd}}$   $\blacktriangle$  over and over?  
 $2^{\text{nd}}$   $\blacktriangledown$  over and over?

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4.  $\wedge$  is called the "carat" button, and is used to raise a number to a power. Find  $6^5 =$  \_\_\_\_\_. To square a number use  $x^2$  What is  $56^2$ ? \_\_\_\_\_  
To cube a number, press  $\text{MATH}$  and select option 3. What is  $36^3$ ? \_\_\_\_\_

5. Press  $2^{\text{nd}}$   $\text{Y=}$  to access the STAT PLOTS menu, how many stat plots are there? \_\_\_\_\_ Which option turns the stat plots off? \_\_\_\_\_

6. Press  $\text{STAT}$  which option will sort data in ascending order? What do you think will happen if option 3 is selected?

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7. What letter of the alphabet is located above  $\div$ ? \_\_\_\_\_

8. To get the calculator to solve the following problem:  
 $2\{3 + 10/2 + 6^2 - (4 + 2)\}$ , what do you do to get the { and }?  
\_\_\_\_\_ The answer to the problem is \_\_\_\_\_.

9. To solve a problem involving the area and/or circumference of a circle, which calculator key(s) would you most likely use?  
\_\_\_\_\_ (Hint: What color is the sun?)

10. Use your calculator to answer the following:  
 $2 \times 41.587$  \_\_\_\_\_  $2578/4$  \_\_\_\_\_  
 $369 + 578$  \_\_\_\_\_

Now press  $2^{\text{nd}}$   $\text{ENTER}$  two times. What pops up on your screen?

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Arrow down and change the 4 to a 2. What answer do you get? \_\_\_\_\_  
How will this feature be helpful?

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11. What happens when the  $10^x$  and 6 keys are pressed? \_\_\_\_\_

12. The  $\text{STO} \rightarrow$  button stores numbers to variables. To evaluate the expression  $\frac{2a+3b}{4-c}$ , press 9  $\text{STO} \rightarrow$  ALPHA MATH ENTER to store the number 9 to A. Repeat this same process if B = 2 and C = 1, then evaluate the expression by typing in the expression  $\frac{2a+3b}{4-c}$  and pressing ENTER. Is it faster just to substitute the values into the expression and solve the old-fashioned way with paper and pencil? \_\_\_\_\_

When might this feature come in handy?

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13. Press  $2^{\text{nd}}$  0 to access the calculator's catalogue. Scroll up, to access symbols. What is the first symbol? \_\_\_\_\_ What is the last symbol? \_\_\_\_\_

14. Press MATH, what do you think the first entry will do?

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Now press CLEAR, then press 0 . 5 6 MATH and select option 1. What answer do you get? \_\_\_\_\_

15. Press 5  $\div$   $\div$  9 ENTER. Press 2 to go to the error. The cursor should be blinking on the second /, press DEL ENTER. What answer did you get? To convert this number to a fraction, press MATH ENTER