Focus Activity: Graphing Calculator Scavenger Hunt

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

2. For help, what website can you visit?

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

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

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

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

7. What letter of the alphabet is located above $\div$? $\underline{\text{|__|}}$

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 }? $\underline{\text{|__|}}$
The answer to the problem is $\underline{\text{|__|}}$.

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

10. Use your calculator to answer the following:
   $2 \times 41.587$ $\underline{\text{|__|}}$  $2578/4$ $\underline{\text{|__|}}$
   $369 + 578$ $\underline{\text{|__|}}$

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

   $\underline{\text{|__|}}$

   Arrow down and change the 4 to a 2. What answer do you get? $\underline{\text{|__|}}$
   How will this feature be helpful?
11. What happens when the $10^4$ and 6 keys are pressed? _____________

12. The \texttt{STO→} button stores numbers to variables. To evaluate the expression $\frac{2a + 3b}{4 - c}$, press \texttt{9 STO→ 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 \texttt{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? _______________________________________

13. Press \texttt{2nd [0]} to access the calculator’s catalogue. Scroll up, to access symbols. What is the first symbol? _____________ What is the last symbol? _______________

14. Press \texttt{MATH}, what do you think the first entry will do?

Now press \texttt{CLEAR}, then press \texttt{[0 . 5 6 MATH} and select option 1. What answer do you get? ___________

15. Press \texttt{5 ÷ ÷ 9 ENTER}. Press 2 to go to the error. The cursor should be blinking on the second \\

* Enter the second fraction, press \texttt{DEL ENTER}. What answer did you get? To convert this number to a fraction, press \texttt{MATH ENTER}