

Graphing Calculator Scavenger Hunt

Date _____ Period _____

To get back to the home screen at any time, press 2^{nd} **MODE** (QUIT).

1. What is this calculator's website? _____
2. What happens to the screen when you push 2^{nd} \blacktriangle (up curser) over and over? 2^{nd} \blacktriangledown (down curser) over and over? _____
3. \wedge is called the "carat" button, and is used to raise a number to a power. Find $6\wedge 5 =$ _____. To square a number use x^2 What is 56^2 ? _____ To cube a number, press **MATH** and select option 3. What is 36^3 ? _____
4. Press 2^{nd} **Y=** to access the STAT PLOTS menu, how many plots are there? _____ Which option number turns the stat plots off? _____
5. Press **STAT** which option will sort data in ascending order? _____ What do you think will happen if option 3 is selected? _____
6. What letter of the alphabet is located above \boxtimes ? _____
7. To get the calculator to solve the following problem $2\{3 + 10 \div 2 + 6^2 - (4 + 2)\}$, what do you do to get the { and }? _____ The answer to the problem is _____.
8. To solve a problem involving the area and/or circumference of a circle, which calculator symbol would you most likely use? ____ (Hint: What do you eat for dessert at Thanksgiving?) What keys would you use to get this symbol on the calculator?

9. Use your calculator to answer the following:
a) $2 \times 41.587 =$ _____ b) $\frac{2578}{4} =$ _____ c) $369 + 578 =$ _____
10. Now press 2^{nd} **ENTER** and then 2^{nd} **ENTER**. What pops up on your screen? _____ Arrow back and change the 4 to a 2. What answer do you get? _____ How will this feature be helpful? _____
11. What happens when the 10^x and **6** keys are pressed? _____
12. Press 2^{nd} **0** to access the calculator's catalogue. Scroll up, to access symbols. What is the first symbol? _____ What is the last symbol? _____

13. Press 2^{nd} 0 to access the calculator's catalogue. An **A** appears in the top right corner of the screen. This means the calculator is in alphabetical mode. Press $)$. What is the 5th entry in the L's? _____ What do these letters stand for? _____
14. Press **MATH**, what do you think the first entry will do? _____
Now press **CLEAR**, then press 0 $.$ 5 6 **MATH** and select option 1. What answer do you get? _____
15. Press $Y=$ type in $2x - 1$. Press **ZOOM** then select 6, press **MODE**, arrow to the "FULL" and arrow over to "G-T" and press **ENTER**. Now press **GRAPH**. What appears on the screen? _____
16. 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** **ENTER**. What fraction did you get? _____
17. Enter this problem into the calculator and press **ENTER**. $2.45 \times 3.78 =$ _____.
- Now press **MODE** \blacktriangledown Float \blacktriangleright to 0 and press **ENTER**.
 - Now press 2^{nd} **Quit** to return to the home screen and press 2^{nd} **ENTER** and the original problem should appear on the screen, now press **ENTER**.
 - What appears on the screen? _____
 - Think about this number in relation to the answer you got before. What did the calculator do? _____
 - Go to **MODE** again and now select 2 under the Float option. Return to the home screen, recall the original problem and press **ENTER**.
 - What number appears on the screen? _____
 - What did the calculator do this time? _____
18. Enter $(-2)^2$ into the calculator, what answer did you get? _____
- Now enter -2^2 into the calculator, what answer did you get this time? _____
 - Why do you think you got two different answers? _____
 - Would $(-2)^3$ and -2^3 give you two different answers? Why or why not?

19. Select the **PRGM** key. Arrow down to the program called "STARTUP". Press **ENTER** twice. This will reset the calculator to its original settings for the next class.