

Calculus AB

Worksheet

Graphing Calculator Literacy

Evaluate.

1) $\sqrt[4]{325}$ _____

2) $(17)^{3/5}$ _____

3) $(2i + 1)(2i - 1)$ _____

4) $(3 \times 10^5)(5 \times 10^7)$ _____

5) Change 0.3275 to a fraction. _____

6) Change 32.77° to degrees, minutes, and seconds. _____

7) Recall the computation 5 times ago. _____

8) Store 13 to letter A . Enter $5A^5 - 17A^3 - Ae$ and press

What do you get? _____

Now change A to 37 and redo. Answer: _____

Graph $y = x^3 - 4x^2 + 2x + 4$. Use the calculator to find:

9) y - intercept _____ 10) x -intercepts _____

11) relative max _____ 12) relative min _____

13) Find y when $x = 4$. _____

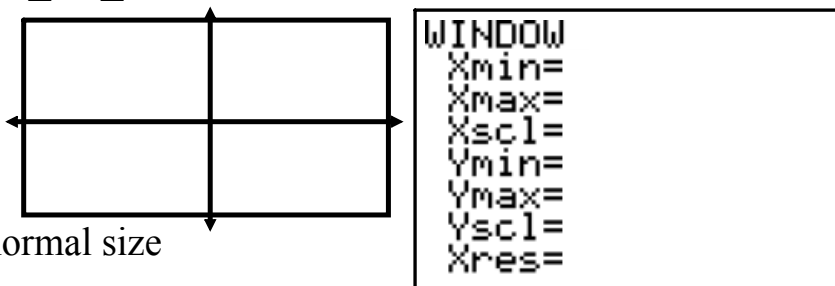
14) Using y_2 , graph $y = -\frac{2}{3}x - 7$. Where do the two graphs cross?

15) Clear the previous graphs. Then graph $y = 10 \sin^2 x$.

16) Clear the previous graph. Then graph $y = 10x^3 - 18x^2 + 132$.

You won't see it...

Find the graph for $-5 \leq x \leq 5$. What size window works best?



17) Return window to normal size when done.

18) Challenge Using a matrix, solve the system:

$$3x + 2y = 7$$

$$5x - 9y = -2$$

19) Challenge Find the equation of the line of best fit through (0,1) (1,0) (2,1) (3,4).

20) Type the message : MATH = FUN!