

WarmUp

Simplify the expression below [*remember to follow the order of operations]

$$3 + 4 \times 7 - 1 =$$

$$3 + 28 - 1 = 30$$

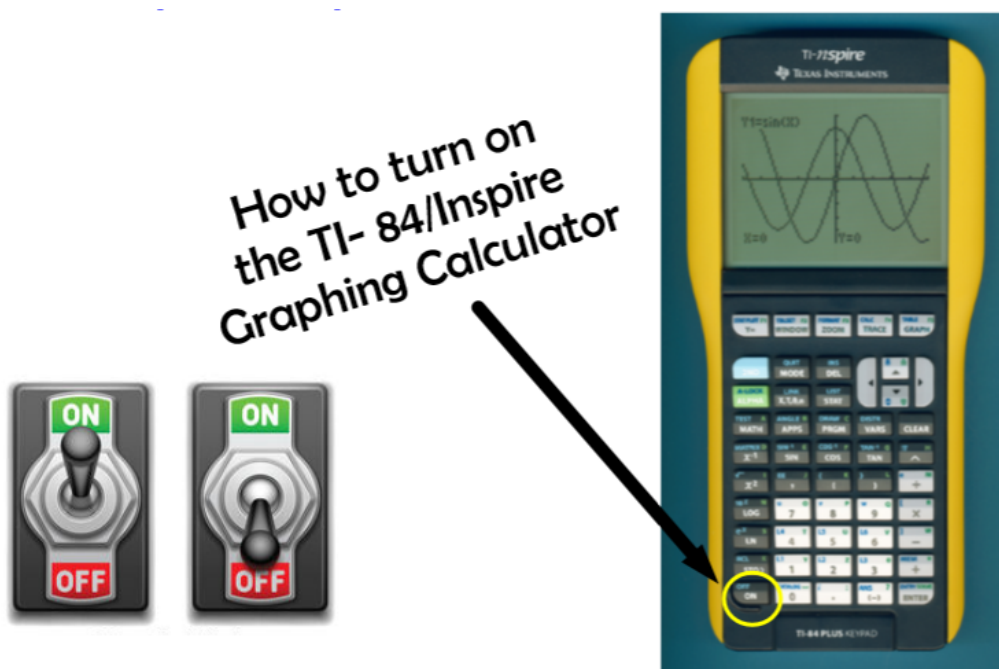
$$14 + 8 \div 2 \times 4 =$$

$$14 + 4 \times 4 =$$
$$14 + 16 = 30$$

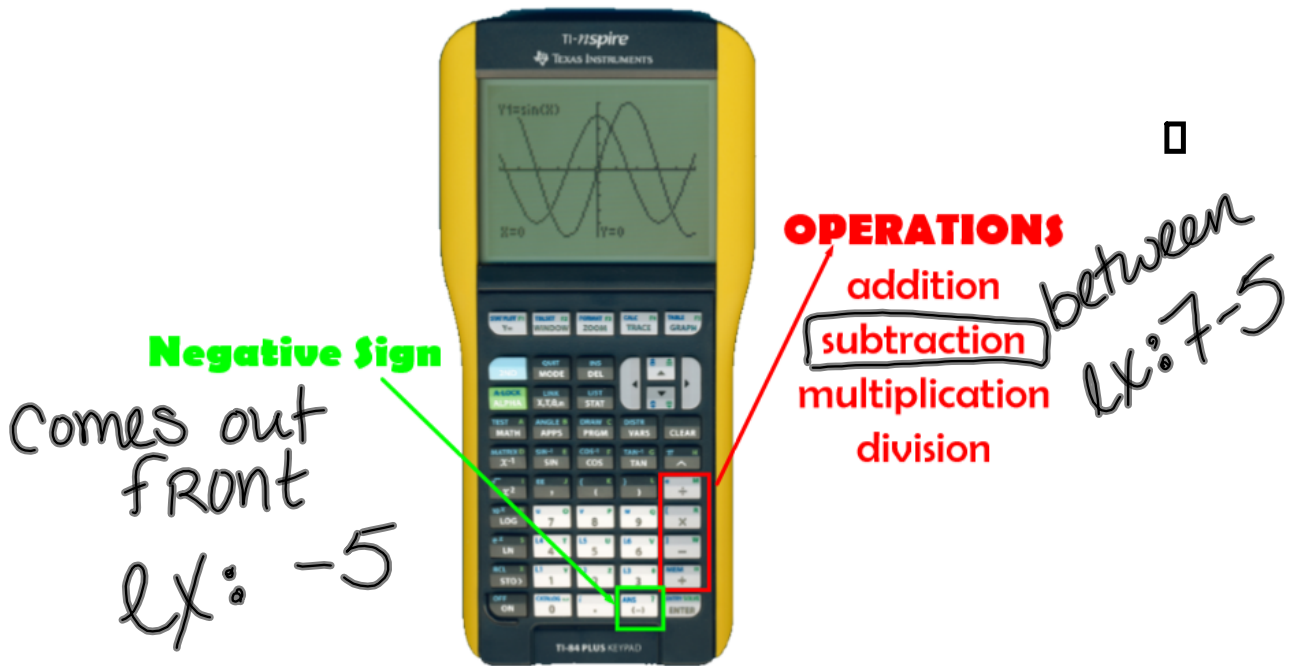


Order of Operations

I am learning how to use the TI-84 graphing calculator



Negative Sign and Operations (addition, subtraction, multiplication, division)



$$3 + 4 \times 7 - 1 =$$

$$3 + 4 * 7 - 1$$

$$30$$

$$14 + 8 \div 2 \times 4 =$$

$$14 + 8 / 2 * 4$$

$$30$$

Exponents



to square #'s



$$4^2$$

$$4^2 = 16$$

mult

$$7 - 4 \cdot (5 + 4)^3 =$$

$$7 - 4 * (5 + 4)^3$$

$$-2909$$



to raise to a power larger than 2



$$3^4$$

$$3^4 = 81$$

$$81$$

negative

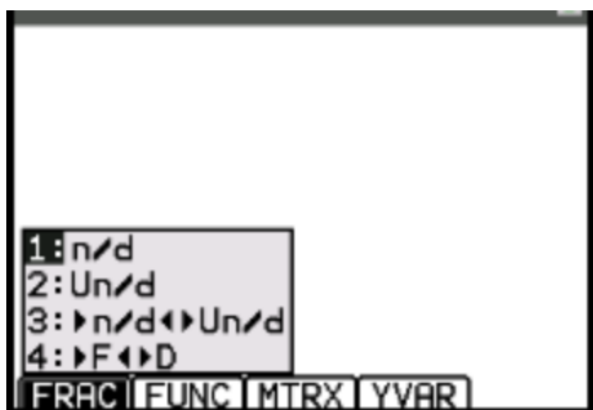
$$4 + (-9) + 2^2 =$$

$$4 + (-9) + 2^2$$

$$-1$$



Fractions in the calculator!!!!



$$\frac{1}{4}(3) = \frac{1}{4}(3)$$

$$\frac{1}{2} \left(\frac{1}{2}\right)^2 =$$

$$\frac{1}{2}^2$$

$$\frac{1}{4}$$

$$12 + \frac{3}{4} = \frac{51}{4}$$

$$\frac{1}{2}$$

$$\frac{1}{4}$$

$$12 + \frac{3}{4}$$

$$\frac{1}{4}$$

$$\frac{51}{4}$$

Radical or Square Root:



How to get it on the calculator



Lets Try Some!

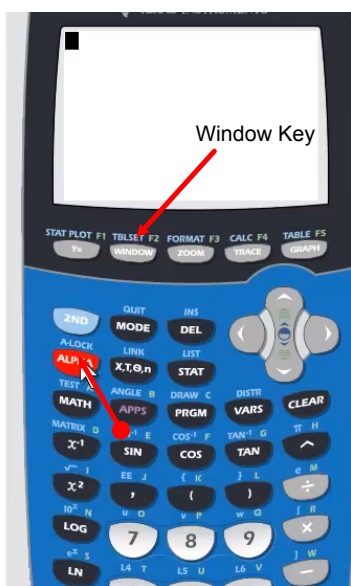
$$\sqrt{16}$$

$$2\sqrt{64}$$

$$\sqrt{38}$$

$$4\sqrt{65}$$

Absolute Value



Step 1: Press Alpha and the Window Key



Step 2: Select option 1 for absolute value (abs.)



Let's Try Some!

$$|36|$$

$$|-14|$$

$$|-1.2|$$

Attachments

M&M.pdf