

# Calculator Use for Parents

## Texas Instruments TI 84 Plus

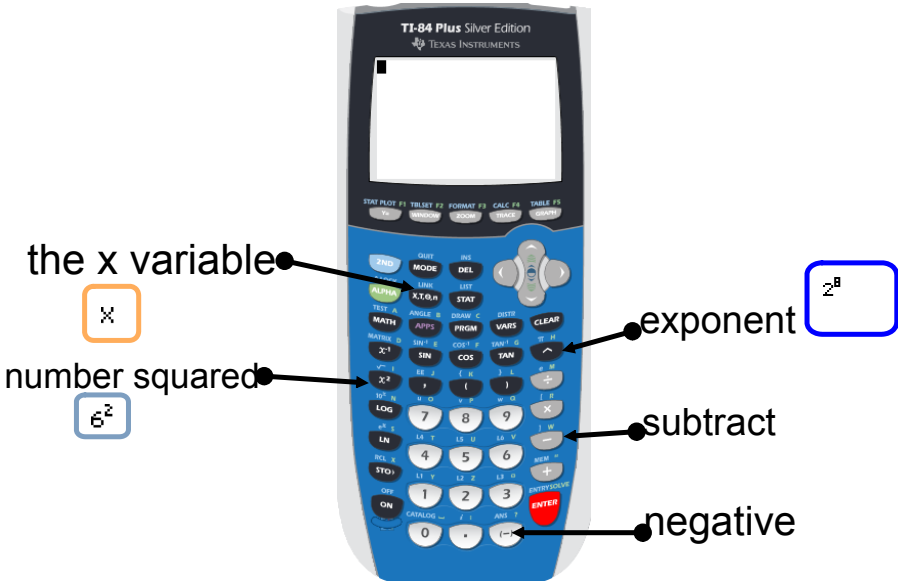
Basics: On Clear Quit Off Memory reset

The image shows a TI-84 Plus Silver Edition calculator with four callout lines pointing to specific buttons: 'quit' points to the 2ND key, 'off' points to the MODE key, 'clear' points to the CLEAR key, and 'on' points to the ON key.

Four callout boxes provide additional information:

- Top right:** A sequence of button presses: 2ND, MEM, "+", 7, 1, 2.
- Middle right:** A menu screen showing options: 1:About, 2:Mem Mgmt/Del..., 3:Clear Entries, 4:ClrAllLists, 5:Archive, 6:UnArchive, 7:Reset...
- Right side:** A screen with the text: "ARCHIVE ALL", "CLR All RAM...", "2: Defaults...".
- Bottom right:** A screen with the text: "Resetting RAM", "erases all data", "and programs", "from RAM."
- Bottom center:** A screen with the text: "TI-84 Plus Silver Edition", "2.55MP", "RAM cleared", and "PRESS ALPHA F1-F4 TO LOCATE SHORTCUT MENUS."

# Face Buttons

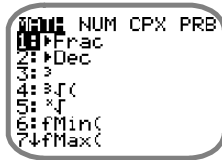


# Hidden Buttons

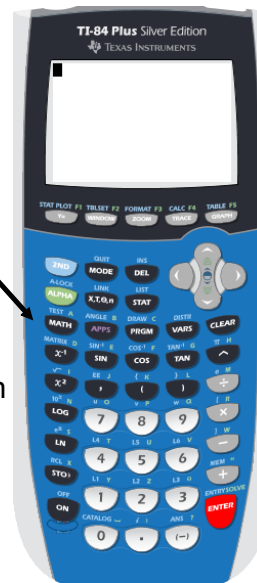


1: change a decimal on screen to fraction

2: change a fraction on screen to decimal



math



3: cube root



Absolute value



# Shortcuts



```

1: n/d
2: Un/d
3: n/d<<Un/d
4: F<<D
FRAC|FUNC|HTRX|YVAR
    
```

1

2

3

4

alpha  
F1

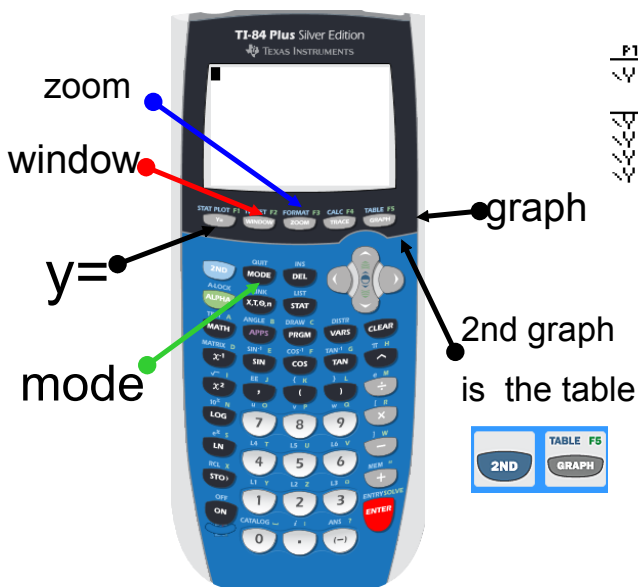


alpha F2

```

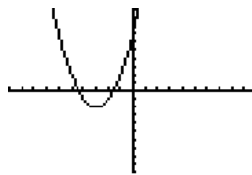
1: abs(
2: Σ(
3: nDeriv(
4: fnInt(
5: logBASE(
FRAC|FUNC|HTRX|YVAR
    
```

# Graphing



```

Plot1 Plot2 Plot3
√18(X+3)²-2
-----
V1=
V2=
V3=
V4=
V5=
    
```



X	V1
-6	
-5	
-4	
-3	
-2	
-1	
0	
1	
2	
3	
4	
5	
6	

zoom  
standard

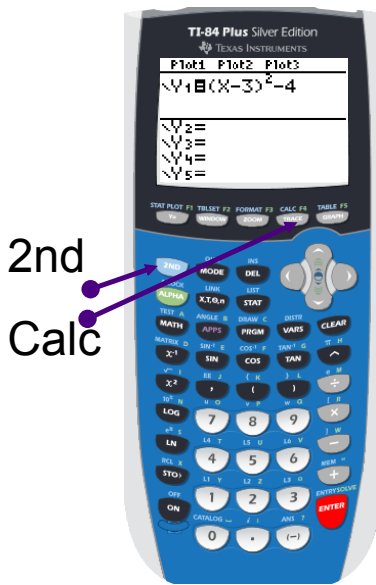
```

ZOOM MEMORY
1:ZBox
2:Zoom In
3:Zoom Out
4:ZDecimal
5:ZSquare
6:ZStandard
7:ZTrig
    
```

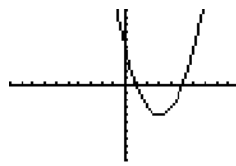
mode

```

NORMAL SCI ENG
FLOAT 0 1 2 3 4 5 6 7 8 9
RADIAN DEGREE
FUNC PAR PDL SEQ
CONNECTED DOT
SEQUENTIAL SIMUL
REAL 0+0i P<0i
FULL HORIZ G-T
+NEXT+
    
```



## Graph screen



X	Y1
0	5
1	0
2	-4
3	-4
4	0
5	5

X=6



**TRACE**  
 1: value  
 2: zero  
 3: minimum  
 4: maximum  
 5: intersect  
 6: dy/dx  
 7: ∫f(x)dx

1] value: what is y in this equation given a value for x

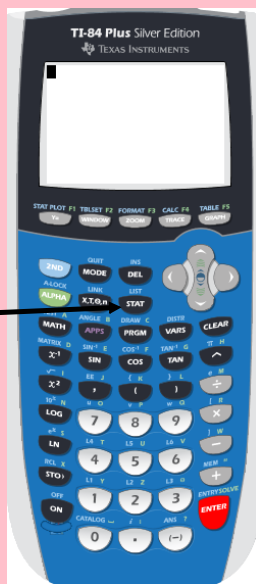
2] zero: what is the x value when y=0

3] minimum: what is the relative minimum, or lowest value on the graph

4] maximum: what is the relative maximum, or highest value on the graph

5] intersect: where does the graph intersect an axis OR another graph

# Statistics



stat



```

EDIT | CALC TESTS
1: Edit...
2: SortA(
3: SortD(
4: C1rList
5: SetUpEditor
    
```

L1	L2	L3	1
-----	-----	-----	
L1(1) =			

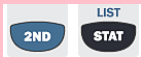
enter the list of numbers to compute: averages, equations, etc

The chart shows city real estate taxes paid by four families and the assessed value of their homes.

Family	Hardy	Jacobs	Rosini	Martinez
Value	\$50,000	\$80,000	\$100,000	\$150,000
Taxes	\$1,100	\$2,000	\$2,600	\$4,100

The tax on the Miller home was \$1,700. What was the assessed value?

- A \$60,000
- B \$65,000
- C \$68,000
- D \$70,000



```

NAMES OPS MATH
1: L1
2: L2
3: L3
4: L4
5: L5
6: L6
    
```

```

NAMES OPS MATH
1: min(
2: max(
3: mean(
4: median(
5: sum(
6: Prod(
7: stdDev(
    
```

```
sum(L1) 9800
```

L1	L2	L3	2
1100	50000	-----	
2000	80000	-----	
2600	100000	-----	
4100	150000	-----	
-----	-----	-----	
L2(5) =			

```

EDIT | MATH TESTS
1: 1-Var Stats
2: 2-Var Stats
3: Med-Med
4: LinReg(ax+b)
5: QuadReg
6: CubicReg
7: QuartReg
    
```

# Testing Strategies

*STORE Can be used on multiple choice questions  
choose ANY SMALL PRIME 3 or above to store !*

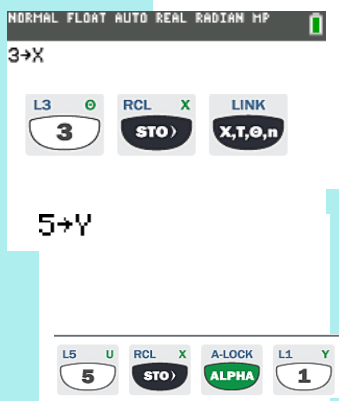
*Enter, get a value...*

The random question value will match one of the choices, **THAT IS THE ANSWER**

Which is a simplified form of the following expression?

$$(xy^3)(xy)^4$$

- F  $x^2y^7$
- G  $x^4y^{12}$
- H  $x^5y^7$
- J  $x^5y^{12}$



$(xy^3)(xy)^4$	18984375
$x^2y^7$	703125
$x^5y^7$	18984375

Which expression is equivalent to  $\frac{1}{6}(30x - 24y) - \frac{1}{8}(32x - 16y)$ ?

- A  $x - 6y$
- B  $x - 2y$
- C  $2x - 4y$
- D  $9x - 6y$

Alg 1  
2015



# Home screen

*NO store needed if no variables and ALL NUMBERS... Enter on Homescreen, get random decimal, enter each answer choice, get same random decimal, THAT IS THE ANSWER!!!*

Written in simplest radical form,  $\sqrt{32}$  is equal to —

- A  $2\sqrt{4}$
- B  $2\sqrt{16}$
- C  $4\sqrt{2}$
- D  $8\sqrt{2}$

<input checked="" type="checkbox"/>	$2\sqrt{4}$	5.656854249
<input type="checkbox"/>	$2\sqrt{16}$	4 2.10
<input type="checkbox"/>	$2\sqrt{16}$	8 4√2
<input type="checkbox"/>		8√2 5.656854249
<input type="checkbox"/>		11.3137085

Which is equivalent to  $\sqrt[3]{48}$  in simplest form?

- A  $2\sqrt[3]{6}$
- B  $6\sqrt[3]{2}$
- C 16
- D 24

Alg 1 2015

Y= ASK the calculator the answer !!!

If you see an equal sign in the problem...

"Y =" Solve equations one variable in Calculator

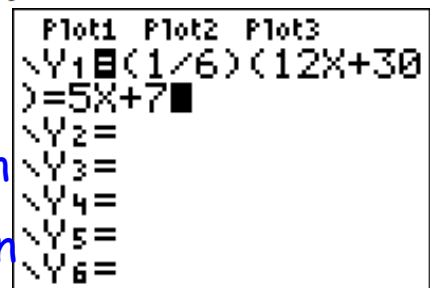
What is the solution to the equation  $\frac{1}{6}(12x + 30) = 5x + 7$ ?

- A: -2
- B:  $-\frac{2}{3}$
- C:  $\frac{2}{3}$
- D: 2

-press y=, enter equation

-2nd math (test) get = sign

-enter the rest of equation



-2nd window (table set)

-arrow to Indpnt:"ask" enter



-2nd graph (table)

-enter each choice until see "1"  
that is your answer! (choice b)

X	Y1	
-2	0	
-.6667	1	
.66667	0	
2	0	

X=

Remember **1** means yes, **0** means no!

*Yeah, you know the the calculator just told you what the right answer is!!!)*

y=ask practice



What value of  $p$  will make this equation true?

$$\frac{6p+4}{6} = \frac{4p-8}{3}$$

- A -10
- B -6
- C 2
- D 10

*alg 1 2013*

What value of  $x$  makes this equation true?

$$3x - 20 = -2x$$

- A -20
- B -4
- C 4
- D 20

Alg 1 2015

What values of  $x$  are solutions of  $3x^2 + 11x = 20$  ?

- A  $-\frac{4}{3}$  and 5
- B  $-\frac{5}{3}$  and 4
- C -4 and  $\frac{5}{3}$
- D -5 and  $\frac{4}{3}$

Alg 1 2015

