

Appendix A

FAQ's How do I ...?

	TI-83	TI-86	TI-89
Absolute Value Function (section 0.3.2)	29	32	30
Braces (section 0.4.1)	47	51	49
Circles (section 0.3.3)	34	37	35
Comma (section 0.4.1)	47	51	59, 49
Connected vs. Dot Mode (section 0.8.1)	100	104	102
Exact (fractions) vs Approximate (decimals) (section 0.8.3)	n/a	n/a	121
Exponential Functions (section 0.6.1)	68	70	69
Expressions - How to Enter (section 0.1.3)	10	10	10
Family of Functions (section 0.4.1)	47	51	49

	TI-83	TI-86	TI-89
Float (choose number of decimal places) (section 0.8.3)	119	123	121
Format Function (section 0.8.2)	107	114	110
Inequality Signs ($<$, \leq , $>$, \geq) (section 0.5)	57	62	61
Intersect Function (section 0.7)	138	144	141
Logarithmic Functions (section 0.6.2)	72	74	73
Matrices (section 0.12)	164	181	172
Maximum/Minimum Function (section 0.7)	93	97	95
Mode Settings (section 0.8.3)	119	123	121
Pi (π) (section 0.6.3)	76	81	78
Piecewise-defined Functions (2 pieces) (section 0.5)	57	62	59
Piecewise-defined Functions (3 pieces) (section 0.5)	64	66	65
Polar Mode (section 0.11)	161	162	161
Polynomial Functions (section 0.2.2)	13	18	15

	TI-83	TI-86	TI-89
Radian vs. Degree Mode (section 0.6.3 or 0.8.3)	76, 119	81, 123	78, 121
Radical Functions (section 0.3.4)	39	44	41
Rational Functions (section 0.3.1)	22	26	24
Root (or Zero) Function (section 0.9.1)	126	133	130
Solve Equations - points of intersection method (section 0.9.2)	137	137	137
Solve Equations - x -intercept method (section 0.9.1)	124	124	124
Solve Inequalities - points of intersection method (section 0.10.2)	152	152	152
Solve Inequalities - x -intercept method (section 0.10.1)	147	147	147
Trace (section 0.7)	83	83	83
Trigonometric Functions (section 0.6.3)	76	81	78
Value (Eval) Function (section 0.7)	84	86	85
Zero (or Root) Function, i.e. x -intercepts (section 0.9.1)	126	133	130
Zoom, Zoom Box, Zoom In (section 0.7)	87	91	89
Zoom Square (section 0.3.3)	34	37	36

Graph only one function with several functions defined

Suppose we have two or more functions defined, but want to graph only one of them without erasing the others. Original definitions are shown.

TI-83

```

Plot1 Plot2 Plot3
\Y1=2X^3-3X+1
\Y2=2X
\Y3=
\Y4=
\Y5=
\Y6=
\Y7=
    
```

TI-89

```

F1- F2- F3- F4- F5- F6- F7-
Tools Zoom| Edit| ✓ All| St/1e| n°e..
+PLOTS
Plot 1:
✓y1=2·x3-3·x+1
✓y2=2·x
y3=
y4=
y5=
y6=
y3(x)=
MAIN RAD APPROX FUNC
    
```

TI-86

```

Plot1 Plot2 Plot3
\y1=2x^3-3x+1
\y2=2x1
\y3=
-----
MODE WIND ZOOM TRACE GRAPH
x y INSF DELF SELCT▶
    
```

Now, suppose we only want to graph y_2 .

TI-83 directions

Move the cursor to the = for y_1 and press **Enter**. Move the cursor to the right again. Notice the = is no longer highlighted for y_1 . Only the functions with the highlighted = will be graphed.

Repeat this process to highlight the =, and to graph y_1 again.

```

Plot1 Plot2 Plot3
\Y1=2X^3-3X+1
\Y2=2X
\Y3=
\Y4=
\Y5=
\Y6=
\Y7=
    
```

TI-89 directions

Move the cursor to the definition for y_1 . Press **F4**. Notice the checkmark is no longer present beside the definition of y_1 . Only the functions with the checkmarks will be graphed.

Repeat this process to put the checkmark back and to graph y_1 again.

```

F1- F2- F3- F4- F5- F6- F7-
Tools Zoom| Edit| ✓ All| St/1e| n°e..
+PLOTS
Plot 1:
y1=2·x3-3·x+1
✓y2=2·x
y3=
y4=
y5=
y6=
y3(x)=
MAIN RAD APPROX FUNC
    
```

TI-86 directions

Move the cursor to the definition for y_1 . Press **F5 Selct**. Notice the = is no longer highlighted for y_1 . Only the functions with the highlighted = will be graphed.

Repeat this process to highlight the =, and to graph y_1 again.

```

Plot1 Plot2 Plot3
\y1=2x^3-3x+1
\y2=2x
-----
MODE WIND ZOOM TRACE GRAPH
x y INSF DELF SELCT▶
    
```