

Graphing Calculator Commands for Graphing

TI-83

TI-85/86

To enter an equation in the calculator:	Press Y= (clear out any old equations) arrow to $\backslash Y_1 =$ type in equation use the X, T, θ, n button for x -variable	Press GRAPH (clear out any old equations) Press F1 (for $y(x)$) type in equation use the $x - \text{VAR}$ button for x
To describe the viewing window:	Press WINDOW Type in dimensions (xscl and yscl give the distance between tick marks on axes)	Press 2nd F2 (for WIND) Type in dimensions
To graph equation:	Press GRAPH	Press F5 (Graph)
To trace along graph:	Press TRACE (move arrow keys left and right to move along graph)	Press F4 (Trace)
To set a standard window:	Press ZOOM Hit 6 or arrow down to ZStandard (standard window dimensions are -10x10 for both x and y axes)	Press F3 (ZOOM) Hit F4 (ZStd)
To make a Zoom Box:	Press ZOOM Hit 1 (ZBox) Move arrow keys to upper left corner of where you want your box to start and hit ENTER. Then arrow over to the bottom right corner of where you want the box to stop and hit ENTER. This will zoom-in on just the region of the graph located in that box.	Press F3 (ZOOM) Hit F1 (Box)
To enter a 2nd equation:	Press Y= arrow down to $\backslash Y_2 =$ type in 2nd equation	Press GRAPH Press F1 (for $y(x)$) Press ENTER and $\backslash y2=$ should appear type in 2nd equation
To find a ZERO on a graph:	Press GRAPH Press 2nd Trace (CALC) Hit 2 (zero) Now arrow to left side of zero to give a left bound and hit ENTER Now arrow to right side of zero to give a right bound and hit ENTER Arrow to approximate location of zero and hit ENTER for the guess Coordinates of zero (or root) should appear at bottom of graph screen	Press GRAPH Press MORE Press F1 (MATH) Press F1 (ROOT)
To find the Intersection of 2 graphs:	Type in 2 or more graphs into Y= Press GRAPH Press 2nd Trace (CALC) Hit 5 (intersect) Arrow to location of intersection point on 1st eqn and hit ENTER Arrow to location of intersection point on 2nd eqn and hit ENTER Arrow to guess and hit ENTER Coordinates of intersection point will appear at bottom of graph screen	Type in equations into $y(x)=$ Press GRAPH Press MORE Press F1 (MATH) Press MORE Hit F3 (ISECT)