

Introducing Calculus – PART 1.

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Select TABLE mode from the main menu by using the arrow keys to highlight the TABLE icon or pressing 7.



Table Func :Y=
V1:
V2:
V3:
V4:
V5:
V6:
[SEL] [DEL] [TYPE] [CLR] [RANG] [TBL]

Variable :Kanse
Graph Func :On
Dual Screen :Off
Simul Graph :Off
Derivative :On
Background :None
Plot/Line :Blue
[On] [Off]

Table Range
X
Start:-10
End :10
Pitch:1

Entering in **[SHIFT] [MENU]** Then **[EXIT]** **[F5]** for **[RANG]**e change the **Start** and **End**

Example 1: Illustrate the graph of $y = 2$ and then calculate co-ordinate points

Type in the equation:



Then **[F6]** for the **[TBL]**e

X	Y1	Y'
-10	2	0
-9	2	0
-8	2	0
-7	2	0
-10		-10

Pattern:
derivative $\frac{dy}{dx} =$

Use ↓ arrows to view more.

Example 2: Illustrate the graph of $y = 3x + 1$ and then calculate co-ordinate points

Type in the equation:



Then **[F6]** for the **[TBL]**e

X	Y1	Y'
-10	-29	3
-9	-26	3
-8	-23	3
-7	-20	3
-10		-10

Pattern:
derivative $\frac{dy}{dx} = 3$

Use ↓ arrows to view more.

Example 3: Illustrate the graph of $y = x^2$ and then calculate co-ordinate points

Type in the equation:



Then **[F6]** for the **[TBL]**e

X	Y1	Y'
-10	100	-20
-9	81	-18
-8	64	-16
-7	49	-14
-10		-10

Pattern:
derivative $\frac{dy}{dx} = 2x$

Use ↓ arrows to view more.