Calculator Instructions for Evaluating a Function

Evaluating a function:
Inevitably you will want to evaluate a complex expression for several different values of x. You can use a TABLE if they are close to each other or you can do the following. Enter your equation in the Y= editor (1), then press $\boxed{\text{VARS}}$ (2), right arrow over to Y-VARS and $\boxed{\text{ENTER}}$ (3), and with the cursor on Y1 press $\boxed{\text{ENTER}}$. On the homescreen, type (#) after the Y1 where you insert the # of your choice and then press $\boxed{\text{ENTER}}$ (4)

```
Plot1 Plot2 Plot3
\Y1■■²cos(3X-π/4
)+sin(X^3)
\Y2=
\Y3=
\Y4=
\Y5=
\Y6=
```
(1)

→

```
VARS Y-VARS
1■Function…
2:Parametric…
3:Polar…
4:On/Off…
```
(2)

→

```
FUNCTION
1■Y1
2:Y2
3:Y3
4:Y4
5:Y5
6:Y6
7↓Y7
```
(3)

→

```
Y1(3)
      -2.219315572
■
```
(4)