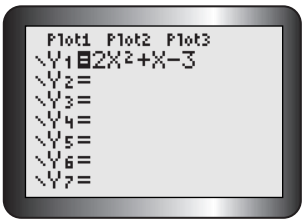
B–3 Evaluating a Function

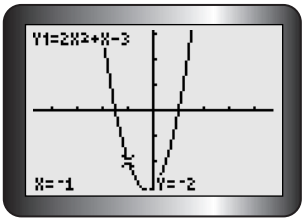


1. **Enter the function into the equation editor.**

   To enter $y = 2x^2 + x - 3$, press [Y=] [2] [X, T, Θ, n] [x^2] [+] [X, T, Θ, n] [−] [3].

2. **Use the value operation to evaluate the function.**

   To find the value of the function at $x = -1$, press [2nd] [TRACE] [ENTER], enter [(−)] [1] at the cursor, then press [ENTER].

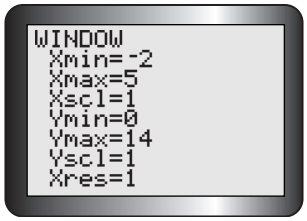


3. **Use function notation and the Y-VARS operation to evaluate the function.**
   There is another way to evaluate the function, say at $x = 37.5$.

   Press [CLEAR], then [VARS], then cursor right to **Y-VARS** and press [ENTER]. Press [1] to select **Y1**. Finally, press [(] [3] [7] [.] [5] [)], then [ENTER].

B–4 Changing Window Settings

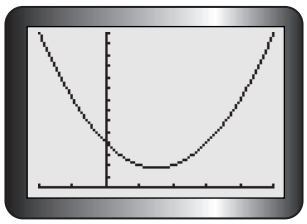
The window settings can be changed to show a graph for a given domain and range.



1. **Enter the function $y = x^2 - 3x + 4$ in the equation editor.**

2. **Use the WINDOW function to set the domain and range.**

   To display the function over the domain $\{x \mid -2 \le x \le 5\}$ and range $\{y \mid 0 \le y \le 14\}$, press [WINDOW] [(−)] [2] [ENTER], then [5] [ENTER], then [1] [ENTER], then [0] [ENTER], then [1] [4] [ENTER], then [1] [ENTER], and [1] [ENTER].



3. **Press [GRAPH] to show the function with this domain and range.**