

## CHAPTER 19 - AREAS UNDER CURVES

### TI-84 Plus

To find the area enclosed by  $y = x^2 + 1$ , the  $x$ -axis,  $x = 1$ , and  $x = 2$ , we first draw the graph of  $y = x^2 + 1$ . Press **2nd** **TRACE** (**CALC**) and select **7:  $\int f(x) dx$** . Press **1** **ENTER** **2** **ENTER** to specify the lower and upper limits of the integral.

So, the area =  $3\frac{1}{3}$  units<sup>2</sup>.

