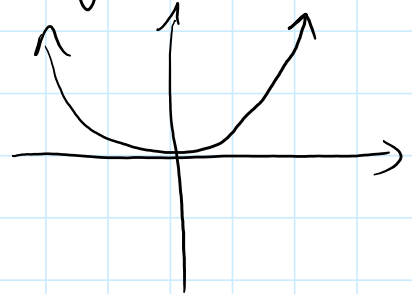


1. What is the effect on the graph of the function $y = x^2$ when the equation is changed to $y = (x + 1)^2$?
- A The graph is stretched vertically.
 - B The graph is stretched horizontally.
 - C The graph is the same shape but translated up.
 - ☒ D The graph is the same shape but translated to the left.

Base function
 $y = f(x) = x^2$



the transformation = $g(x) = (x+1)^2$

$\Downarrow$

$g(x) = f(x+1)$

$\uparrow$

this is a **horiz.** shift to the L
by 1 unit

answer: D. ✓