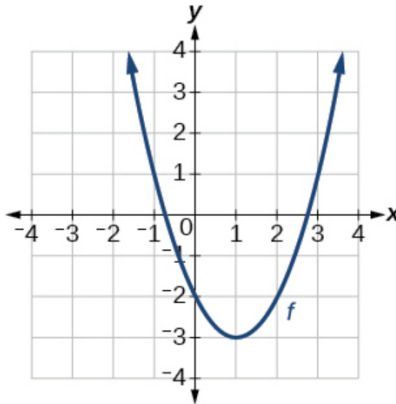


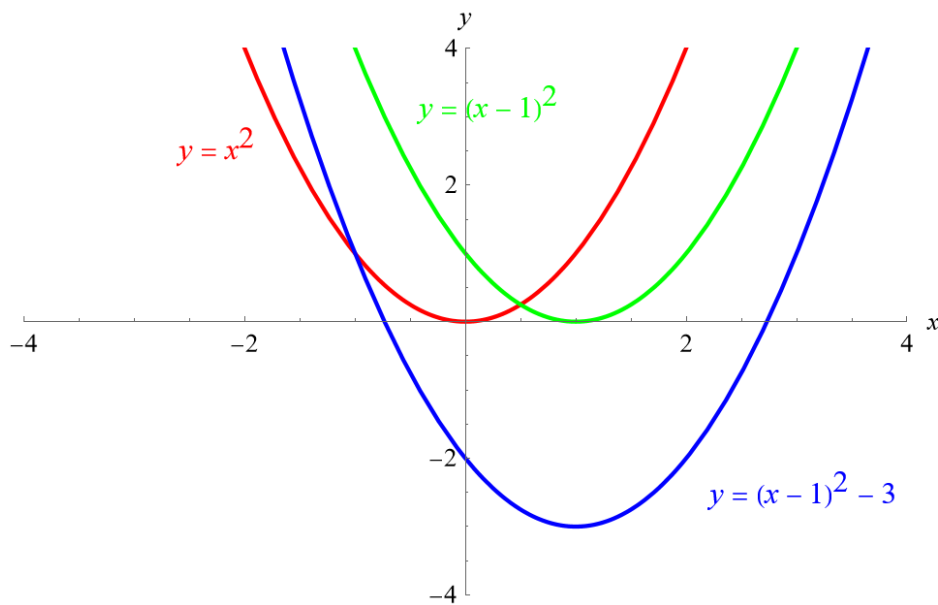
## Exercise 34

For the following exercises, write an equation for each graphed function by using transformations of the graphs of one of the toolkit functions.



### Solution

This is a parabola. Shift it to the right by 1 unit and down by 3 units.



$$f(x) = (x - 1)^2 - 3$$