Example 4. In each of the two parts below, you are given a function $f$ and are shown two transformations, $g$ and $h$, of $f$. Describe in words how $g$ is obtained from $f$, and how $h$ is obtained from $g$, and then find formulas for $g$ and $h$. Check your answers either using a graphing calculator or by plotting test points.
(a)



(b)




## Examples and Exercises

1. Write formulas for each of the following transformations of the function $q(p)=p^{2}-p+1$.
(a) $q(p-1)$
(b) $q(p)-1$
(c) $-2 q(-p)$
