

39] Since $g(x) = f(x + 1) - 2$, the output for $g(x)$ can be determined by translating the output of $f(x)$ left one unit with respect to the x -values and subtracting 2. For example,
 $g(1) = f(1 + 1) - 2 = f(2) - 2 = 4 - 2 = 2$ and $g(2) = f(2 + 1) - 2 = f(3) - 2 = 3 - 2 = 1$.
 However, the value of $g(5) = f(5 + 1) - 2 = f(6) - 2$ is undefined because 6 is not in the domain of f in *Figure 39*.

x	0	1	2	3	4	5
$f(x)$	—	2	4	3	7	8
$g(x)$	0	2	1	5	6	—

Figure 39