## Exercise 58

For the following exercises, use the function values for f and g shown in Table 3 to evaluate each expression.

x	f(x)	g(x)
0	7	9
1	6	5
2	5	6
3	8	2
4	4	1
5	0	8
6	2	7
7	1	3
8	9	4
9	3	0

Table 3

## Solution

Notice from the table that g(8) = 4 and f(4) = 4. Therefore,

$$f(g(8)) = f(4) = 4.$$