## Exercise 37

For the following exercises, use the values listed in Table 6 to evaluate or solve.

| $x$ | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|
| $f(x)$ | 8 | 0 | 7 | 4 | 2 | 6 | 5 | 3 | 9 | 1 |

**Table 6**

Find $f(1)$.

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**Solution**

Look at the value of $f$ corresponding to $x = 1$.

| $x$ | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|---|---|
| $f(x)$ | 8 | 0 | 7 | 4 | 2 | 6 | 5 | 3 | 9 | 1 |

Therefore, $f(1) = 0$.