## Exercise 30

For the following exercises, use the values listed in Table 1.

| $x$ | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $f(x)$ | 1 | 3 | 5 | 7 | 9 | 11 | 13 | 15 | 17 |

Table 1
Find $F(6)$.
[TYPO: The problem should read: "Find $f(6)$. "]

## Solution

The output corresponding with $x=6$ is 13 .

| $x$ | 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| $f(x)$ | 1 | 3 | 5 | 7 | 9 | 11 | 13 | 15 | 17 |

Therefore,

$$
f(6)=13 .
$$

