***Function Tables***

A function is a relationship that assigns exactly one output value to one input value. We use a function table to organize the input-output values and a function rule. A function rule describes the relationship between the input and the output. The function rule is the equation.

**Complete each function table.**

**1.**  **2.**

|  |  |  |
| --- | --- | --- |
| **Input (*x*)** | ***x* + 3** | **Output (*y*)** |
| 0 |  |  |
| 2 |  |  |
| 4 |  |  |

|  |  |  |
| --- | --- | --- |
| **Input (*x*)** | **3*x* + 1** | **Output (*y*)** |
| 0 |  |  |
| 1 |  |  |
| 2 |  |  |

**3. 4.**

|  |  |  |
| --- | --- | --- |
| **Input (*x*)** | ***x* + 3** | **Output (*y*)** |
| 12 |  |  |
| 9 |  |  |
| 6 |  |  |

|  |  |  |
| --- | --- | --- |
| **Input (*x*)** | **2*x* – 1** | **Output (*y*)** |
| 7 |  |  |
| 5 |  |  |
| 4 |  |  |

**5.** If a function rule is 2*x* – 3, what is the output for the input 3?

**6.** If a function rule is 4 – *x*, what is the output for the input 2?

**Find the input for each function table.**

**7. 8.**

|  |  |  |
| --- | --- | --- |
| **Input (*x*)** | ***x* + 9** | **Output (*y*)** |
|  |  | 12 |
|  |  | 15 |
|  |  | 17 |

|  |  |  |
| --- | --- | --- |
| **Input (*x*)** | ***x* – 3** | **Output (*y*)** |
|  |  | 7 |
|  |  | 4 |
|  |  | 1 |