**Activity 1.2.3b Is the Function 1-1?**

A function is a *1-1 function* (read this as “one-to-one function”) if it has the property that *each output* in the range of the function is related to *exactly one* input in the domain of the function.

A *function* is a relationship where each input in the domain of the function is related to *exactly* *one* output in the range of the function.

Below are some of the functions from Activity 1.2.3a. For each function, determine if the function is 1-1 or not. Explain your answer.

1. Gym Membership 2. Investing Money

|  |  |
| --- | --- |
| **# of Months** | **Total Cost ($)** |
| 1 | 48 |
| 2 | 61 |
| 3 | 74 |
| 4 | 87 |
| 5 | 100 |

|  |  |
| --- | --- |
| **Number of Years** | **Total Value ($)** |
| 0 | 4000 |
| 1 | 4240 |
| 2 | 4494 |
| 3 | 4764 |
| 4 | 5050 |

1.  4.

5. 6.