

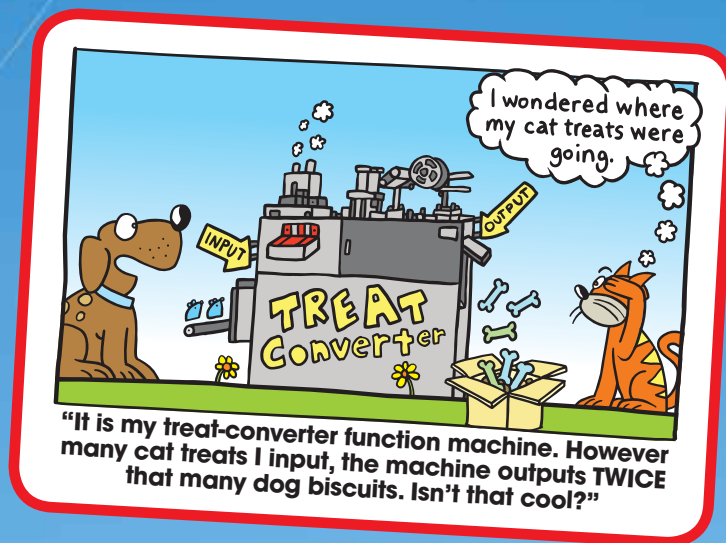
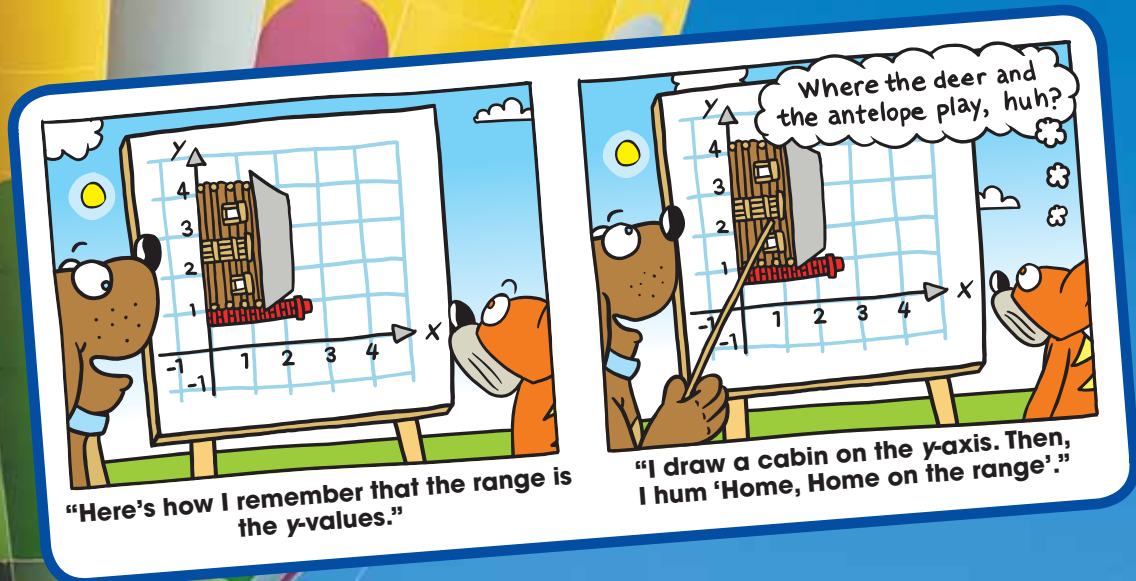
4 Functions

4.1 Domain and Range of a Function

4.2 Discrete and Continuous Domains

4.3 Linear Function Patterns

4.4 Comparing Linear and Nonlinear Functions

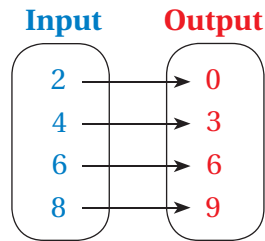


What You Learned Before

Recognizing Patterns

Describe the pattern of inputs and outputs.

Example 1



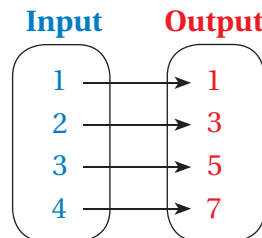
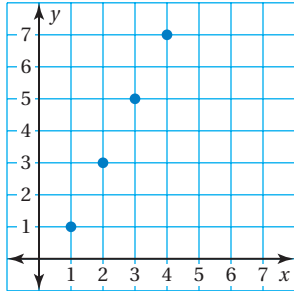
As the input increases by 2, the output increases by 3.

Example 2

Input, x	6	1	-4	-9	-14
Output, y	7	8	9	10	11

As the input x decreases by 5, the output y increases by 1.

Example 3 Draw a mapping diagram for the graph. Then describe the pattern of inputs and outputs.

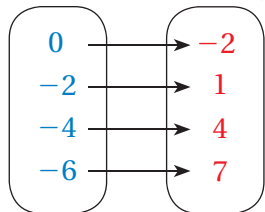


As the input increases by 1, the output increases by 2.

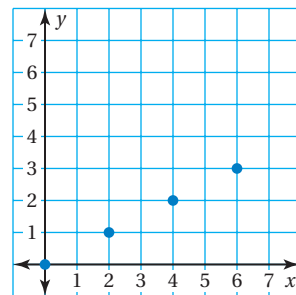
Try It Yourself

Describe the pattern of inputs x and outputs y .

1. Input, x Output, y



2.



3.

Input, x	0	-1	-2	-3	-4
Output, y	7	3.5	0	-3.5	-7

