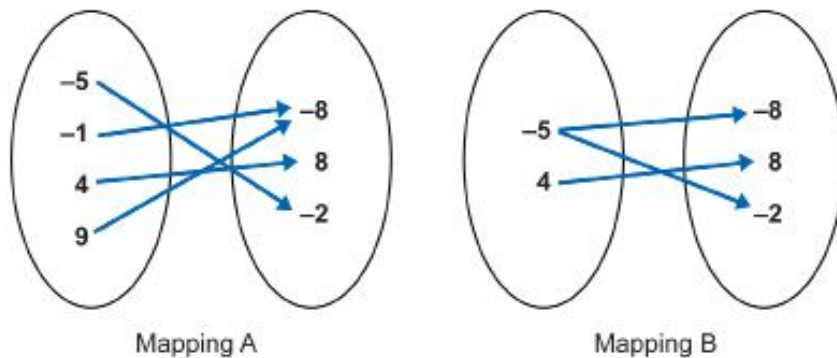


## In-Class Practice

Name \_\_\_\_\_

Grade 08, Unit 06, Lesson 02: Identify a relation as a function from various representations

1. Determine which mapping represents a function. Justify your answer.



2. Ashley's club is selling t-shirts as a fundraiser. Ashley records the number of t-shirts sold and the profit to monitor her club's progress. Is the profit earned a function of the number of t-shirt sold?

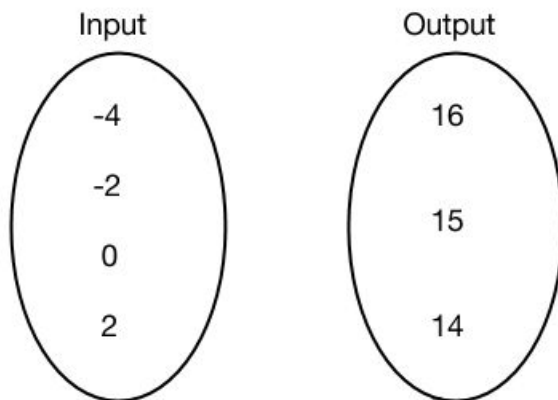
T-shirts Sold	Profit (\$)
0	-750
3	-705
5	-675
10	-600
11	-585
18	-480

## In-Class Practice

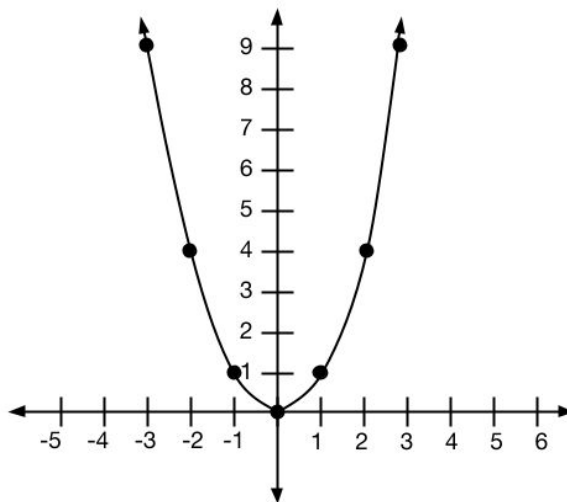
Name \_\_\_\_\_

Grade 08, Unit 06, Lesson 02: Identify a relation as a function from various representations

3. Use the input and output values to create a mapping that represents a function.



4. The graph below shows the relationship between a number and the square of that number. Does this relationship represent a function?



## In-Class Practice

Name \_\_\_\_\_

Grade 08, Unit 06, Lesson 02: Identify a relation as a function from various representations

5. Based on the table below, is the number of shots you attempt in a basketball game a function of the shots you make, or is the number of shots you make a function of the number of shots attempted? Use the tables to justify your answer.

Shots Attempted	Shots Made
1	0
2	0
3	1
4	1
5	3
6	6

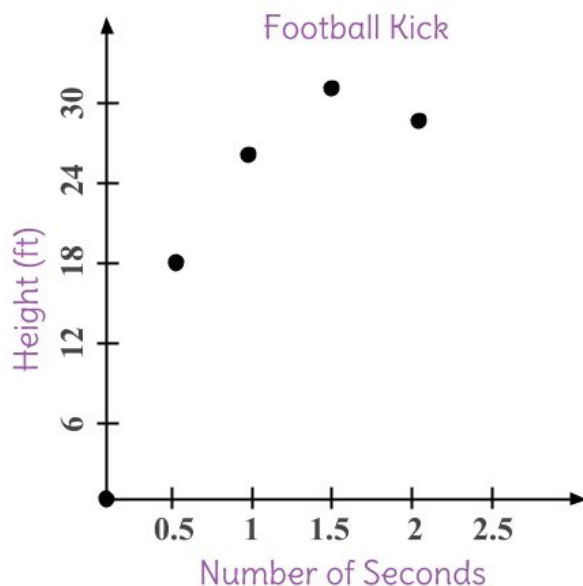
Shots Made	Shots Attempted
0	1
0	2
1	3
1	4
3	5
6	6

## In-Class Practice

Name \_\_\_\_\_

Grade 08, Unit 06, Lesson 02: Identify a relation as a function from various representations

6. The graph below shows the height of a football after it is kicked. Is the height a function of time?



7. Omar was telling his friends about a recent bicycle ride he took. He said that after an hour he had gone 15 miles. After 2 hours Omar shared that he had gone 28 miles. Omar reached 40 miles in 3 hours and ended his ride in 4 hours after going 49 miles. Represent this relation as a mapping, a table, or a graph. Identify whether the distance Omar traveled is a function of time.