

# FRAYER MODEL—FUNCTION

Use a blank Frayer Model for the term: **Function**  
 Label the four boxes as you usually do:

Definition from book	Definition in your own words
Examples	Non-examples

Have students complete the top two boxes. Then, given them the following set of Relations and have them cut them out and sort them according to which are examples and which are non-examples. This is a great way to use sorting as a strategy to support students as they learn how to use the Frayer Model.

The collection includes the following items:

- Table 1:**

x	y
1	2
2	4
3	6
- Table 2:**

x	y
-2	-1
-2	1
-1	0
1	0
2	1
- Graph 1:** A coordinate plane with points at (-2, -1), (-2, 1), (-1, 0), (1, 0), and (2, 1).
- Graph 2:** A coordinate plane showing a sine wave.
- Mapping 1:** Domain {5, 10, 15} maps to Range {105, 110}. (5 → 105, 10 → 110, 15 → 110)
- Mapping 2:** Domain {2, 8} maps to Range {21, 25, 30}. (2 → 21, 2 → 25, 8 → 30)
- Mapping 3:** Domain {3} maps to Range {1, 5}.
- Graph 3:** A coordinate plane showing a parabola opening to the right.
- Graph 4:** A coordinate plane showing a sine wave.
- Mapping 4:** Set X { -1, 0, 1, 2, 8 } maps to Set Y { -3, -2, 2, 3 }.
- Graph 5:** A coordinate plane showing a circle.
- Table 3:**

x	y
-3	0
-1	-1
0	0
2	-2
3	4
- Mapping 5:** Domain {100, 200, 300} maps to Range {50, 100, 150}. (100 → 50, 200 → 100, 300 → 150)
- Mapping 6:** INPUT {0, 1, 2, 3} maps to OUTPUT {-2, 1, 2, 4}. (0 → -2, 1 → 1, 2 → 2, 3 → 4)

