

Try This1 Possible Solutions

TT 1.

- a. The **graphical** non-functions all fail the function test as they have more than one output value for each input value. (or more than one y value for each x value).
Graph 1: Has both (7, 2) and (7, 18), so there are two output numbers for one input number. We cannot have this for a function.
Graph 2: Has both (10, 1) and (10, 19), so there are two output numbers for one input number. We cannot have this for a function.
Graph 3: Has (14, 9), (14, 12) and (14, 14), so there are more than one output numbers for one input number. We cannot have this for a function.
The arrow diagram non-functions all have one domain element attached to more than 1 range element. For example, 1 is attached to -2 and 15.
The ordered pair non-functions have domain elements that are paired with more than one range element. For example, (-2, 1) and (-2, 4).
- b. In the **graphical** examples, all pass the function test as they only have one output value for each input value (or one y value for each x value).
In the **arrow diagram** examples, each element of the first ellipse is joined to only one element of the second ellipse.
In the **ordered pair** examples, the x-coordinates all appear exactly once.