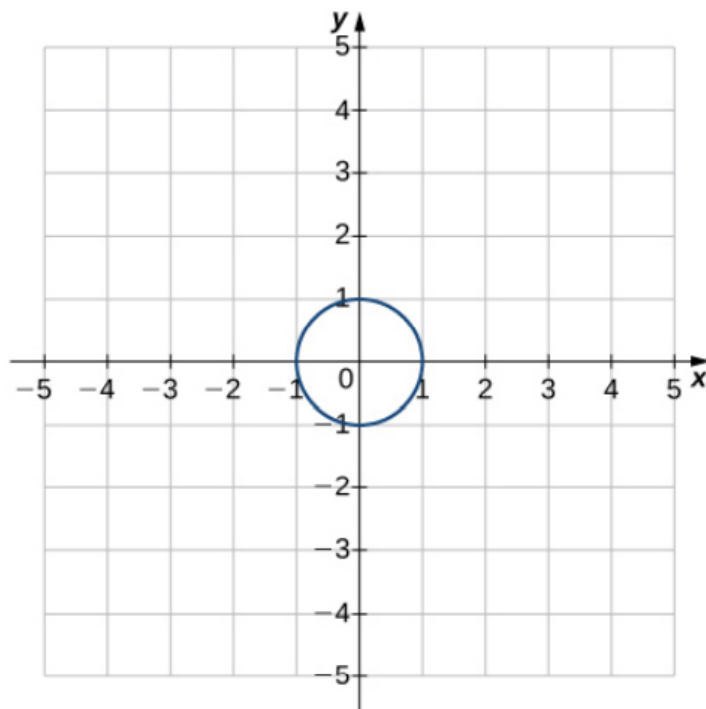


Exercise 28

For the following exercises, use the vertical line test to determine whether each of the given graphs represents a function. **Assume that a graph continues at both ends if it extends beyond the given grid.** If the graph represents a function, then determine the following for each graph:

- Domain and range
- x -intercept, if any (estimate where necessary)
- y -intercept, if any (estimate where necessary)
- The intervals for which the function is increasing
- The intervals for which the function is decreasing
- The intervals for which the function is constant
- Symmetry about any axis and/or the origin
- Whether the function is even, odd, or neither



Solution

The given graph does not represent a function because it fails the vertical line test.

