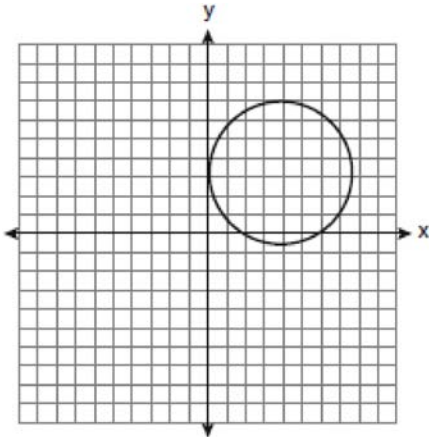


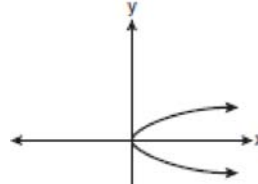
A.G.3: Defining Functions 2: Determine when a relation is a function, by examining ordered pairs and inspecting graphs of relations

- 1 Which statement is true about the relation shown on the graph below?

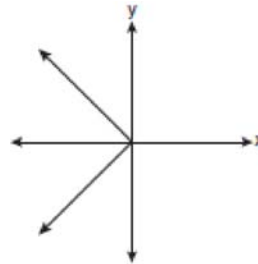


- 1) It is a function because there exists one x -coordinate for each y -coordinate.
- 2) It is a function because there exists one y -coordinate for each x -coordinate.
- 3) It is *not* a function because there are multiple y -values for a given x -value.
- 4) It is *not* a function because there are multiple x -values for a given y -value.

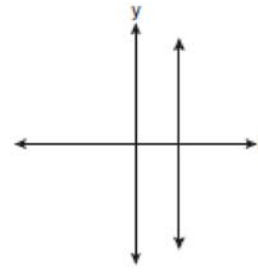
- 2 Which graph represents a function?



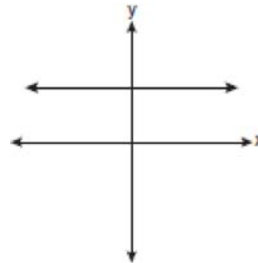
1)



2)

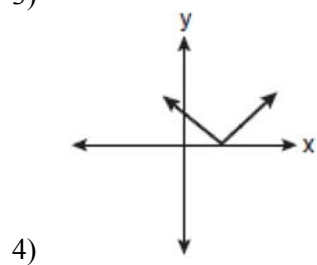
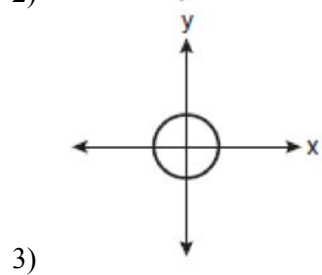
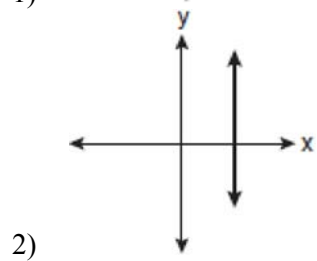
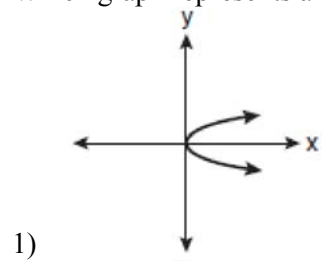


3)

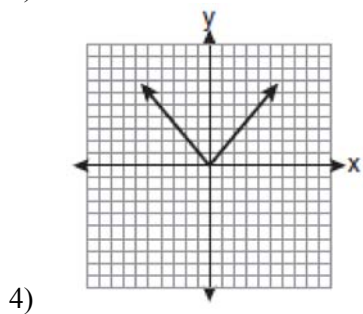
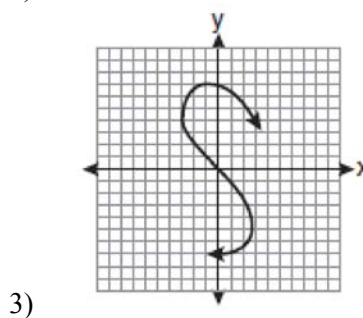
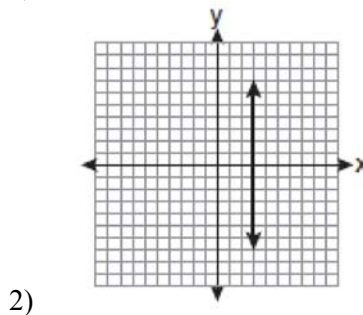
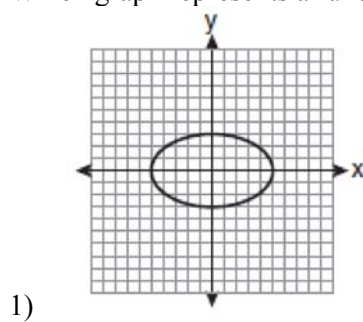


4)

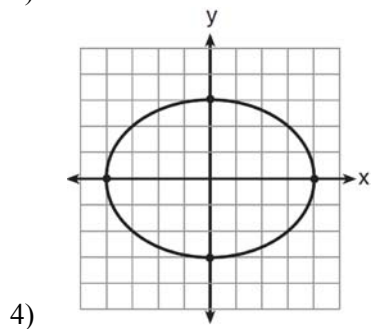
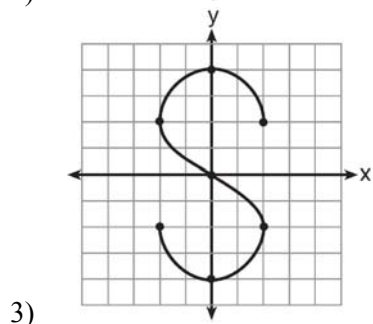
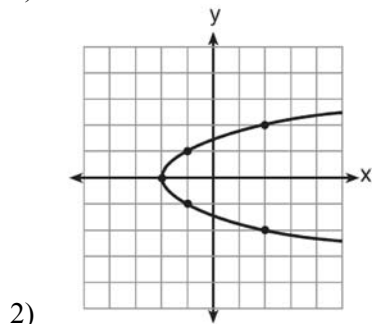
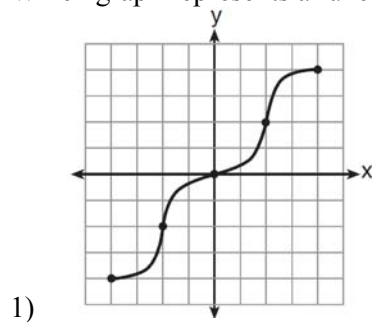
3 Which graph represents a function?



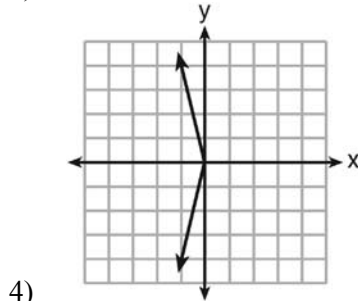
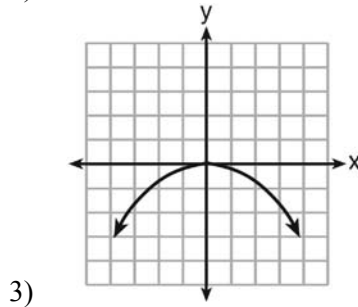
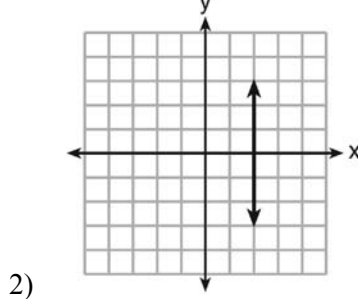
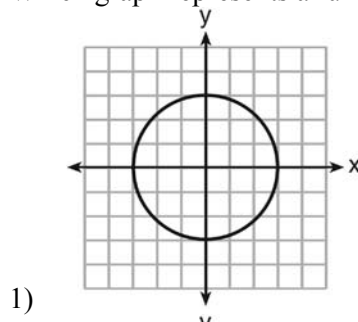
4 Which graph represents a function?



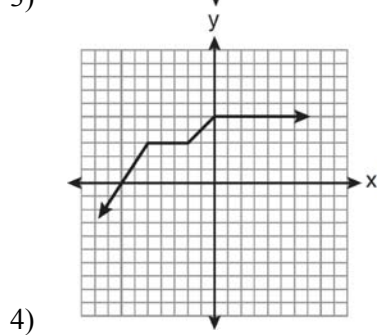
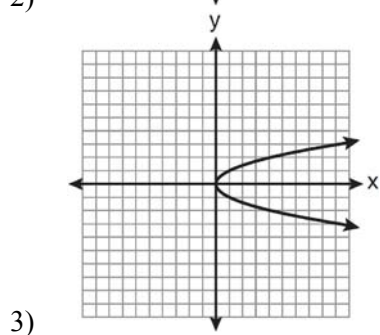
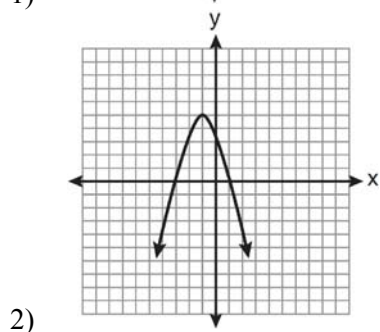
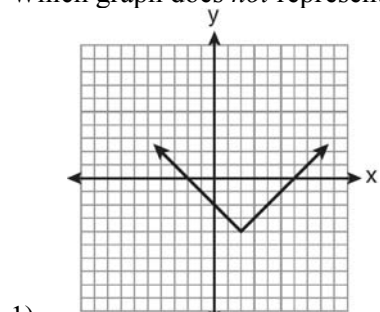
5 Which graph represents a function?



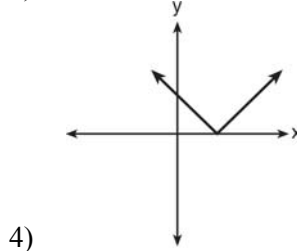
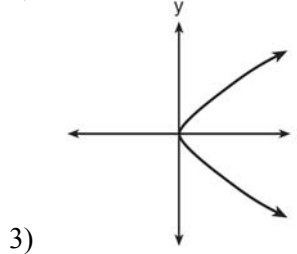
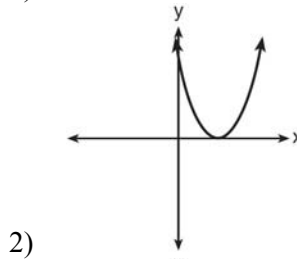
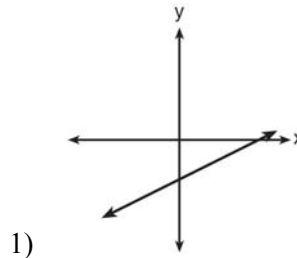
6 Which graph represents a function?



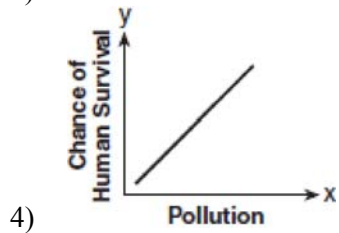
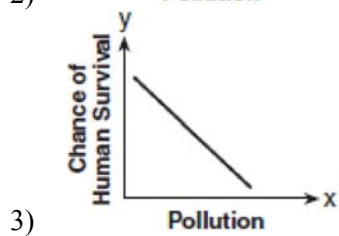
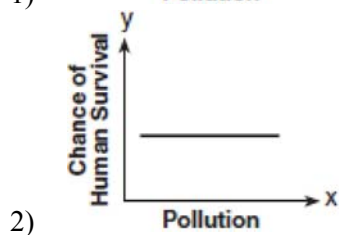
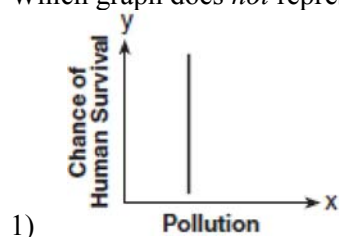
7 Which graph does *not* represent a function?



8 Which graph does *not* represent the graph of a function?



9 Which graph does *not* represent a function of x ?



A.G.3: Defining Functions 2: Determine when a relation is a function, by examining ordered pairs and inspecting graphs of relations**Answer Section**

1	ANS: 3	REF: 060919ia
2	ANS: 4	REF: fall0730ia
3	ANS: 4	REF: 010930ia
4	ANS: 4	REF: 061013ia
5	ANS: 1	REF: 061209ia
6	ANS: 3	REF: 011309ia
7	ANS: 3	REF: 011204ia
8	ANS: 3	REF: 081308ia
9	ANS: 1	REF: 080301b