BECA / Huson / IB Math
5 September 2019

Name:

Classwork: Functions

Exercise 1A

1 Which of these sets of ordered pairs are functions?

a $\{(5,5), (4,4), (3,3), (2,2), (1,1)\}$

b $\{(-3,4), (-1,6), (0,5), (2,-1), (3,-1)\}$

c $\{(4,1), (4,2), (4,3), (4,4), (4,5)\}$

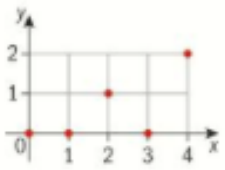
d $\{(-1,1), (0,3), (1,6), (1,7), (2,8)\}$

e $\{(-4,4), (-4,5), (-3,6), (-3,7), (-2,8)\}$

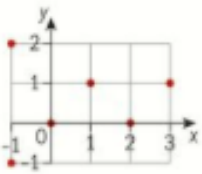
f $\{(1,2), (2,2), (3,2), (4,2), (5,2)\}$

2 For each diagram, identify the domain and range and say whether the relation is a function.

a



b

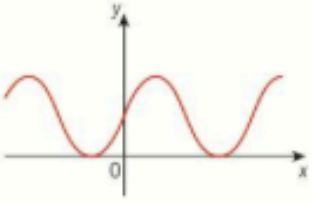


Write down the coordinates as ordered pairs.

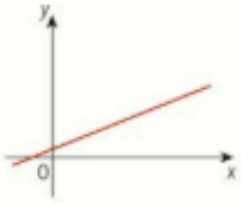
Exercise 1B

1 Which of these relations are functions?

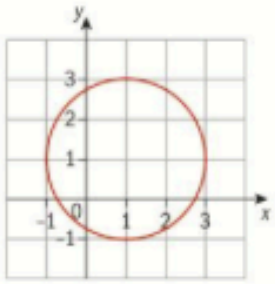
a



b

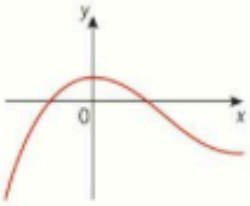


c

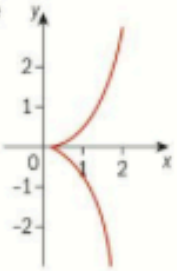


Draw, or imagine, vertical lines on the graph.

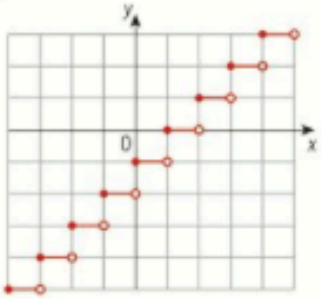
d



e



f



If the function has a 'solid dot' •, this indicates that the value is included in the function.
If the function has a 'hollow dot' ○, this indicates that the value is not included in the function.