

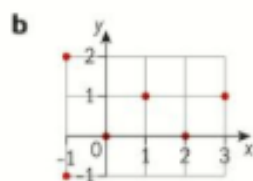
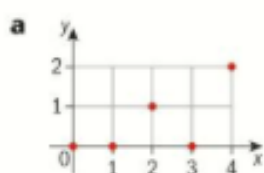
Classwork: Functions

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

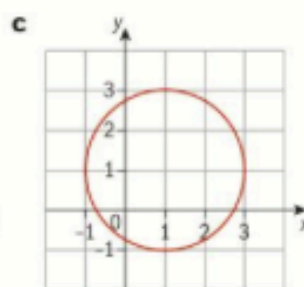
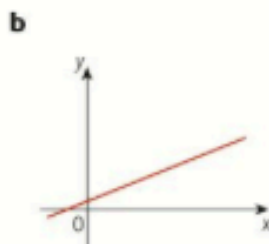
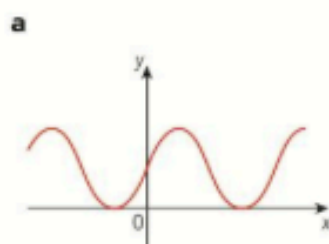
2 For each diagram, identify the domain and range and say whether the relation is a function.



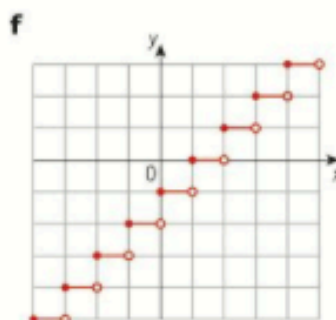
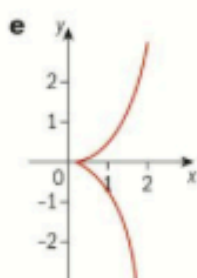
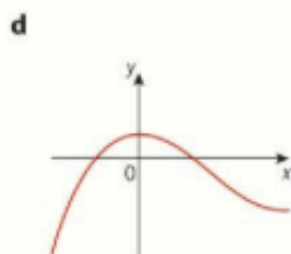
Write down the coordinates as ordered pairs.

Exercise 1B

1 Which of these relations are functions?



Draw, or imagine, vertical lines on the graph.



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.