

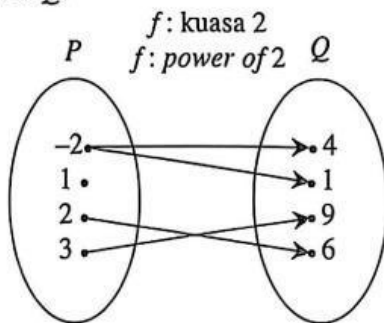
Graf Fungsi

Graphs of Functions

BAHAGIAN A

1. Rajah di bawah menunjukkan hubungan antara set P dan set Q .

The diagram shows the relation between set P and set Q .



Apakah jenis hubungan antara set P dan set Q ?
What is the type of relation between set P and set Q ?

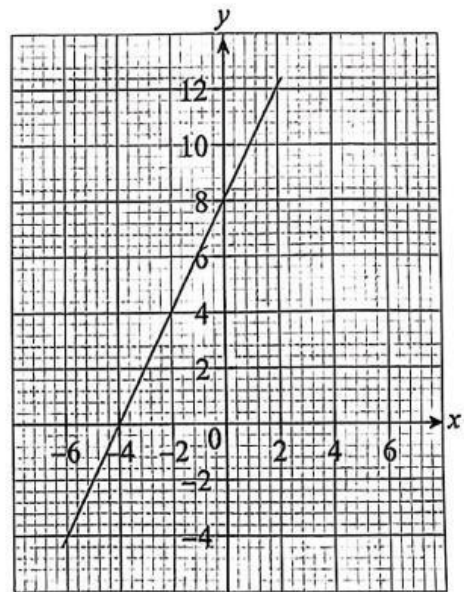
- A Hubungan satu kepada satu
One-to-one relation
- B Hubungan satu kepada banyak
One-to-many relation
- C Hubungan banyak kepada satu
Many-to-one relation
- D Hubungan banyak kepada banyak
Many-to-many relation
2. Antara set pasangan tertib berikut, yang manakah **bukan** fungsi?
Which of the following set of ordered pairs is **not** a function?
- A $\{(0, 0), (2, 1), (3, 5), (6, 4)\}$
- B $\{(-3, -1), (3, 0), (4, 2), (5, 7)\}$
- C $\{(-2, 9), (-1, 8), (2, 6), (6, 8)\}$
- D $\{(4, 5), (6, 9), (10, 3), (12, 0)\}$

3. Hubungan dapat diwakili oleh setiap yang berikut **kecuali**
Relation can be represented by each of the following **except**

- A graf
graph
- B pasangan tertib
ordered pairs
- C rajah anak panah
arrow diagram
- D ketaksamaan
inequality

4. Rajah di bawah menunjukkan graf bagi fungsi $y = 2x + 8$.

The diagram shows the graph of the function $y = 2x + 8$.



Cari nilai x apabila $y = 4$.

Find the value of x when $y = 4$.

- A -2 B -1
C 0 D 1

5. Jadual di bawah menunjukkan nilai-nilai pemboleh ubah x dan y bagi fungsi $y = x^2 - 9$.

The table shows the values of variables x and y of the function $y = x^2 - 9$.

x	-3	-2	-1	0	1	2	3
y	0	p	-8	-9	q	-5	0

Cari nilai p dan q .

Find the value of p and q .

- A $p = 5, q = 8$
B $p = 5, q = -8$
C $p = -5, q = -8$
D $p = -5, q = 8$