

Bahagian A

1. Rajah di bawah menunjukkan set pasangan bertertib yang menunjukkan hubungan antara dua set.

The diagram below shows the set of ordered pairs representing a relation between two sets.

$\{(2, 5), (3, 7), (4, 9), (5, 11)\}$

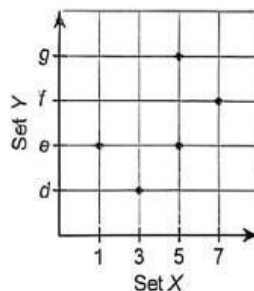
Nyatakan imej bagi 5. **SK 8.1 TP2**

State the image of 5.

- A 2 C 9
B 7 D 11

2. Rajah di bawah menunjukkan satu hubungan yang memetakan set X kepada set Y .

The diagram below shows a relation that maps set X to set Y .



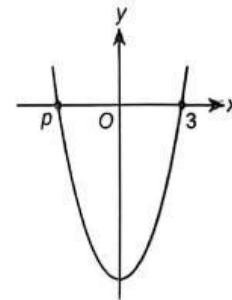
Nyatakan jenis hubungan. **SK 8.1 TP2**

State the type of relation.

- 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

3. Rajah di bawah menunjukkan graf bagi fungsi $y = x^2 - 9$.

The diagram below shows the graph of function $y = x^2 - 9$.



Cari nilai p . **SK 8.2 TP3**

Find the value of p .

- A -2
B -3
C -4
D -5

4. Jadual di bawah menunjukkan nilai bagi suatu fungsi.

The table below shows the values of a function.

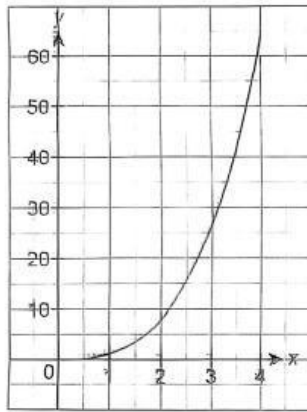
x	0	1	2	3
y	1	3	17	55

Antara yang berikut, yang manakah mewakili fungsi itu? **SK 8.2 TP3**

Which of the following represents the function?

- A $y = 2x + 1$
B $y = 2x^2 + 1$
C $y = 2x^3 + 1$
D $y = \frac{x}{2} + 1$

5. Rajah di bawah menunjukkan graf bagi suatu fungsi.
The diagram below shows the graph of a function.

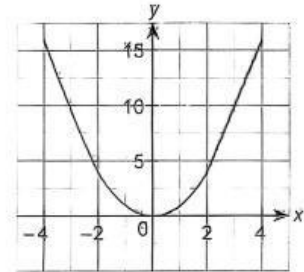


Tentukan nilai x apabila $y = 36$. **SK 8.2 TP 2**

Determine the value of x when $y = 36$.

- | | |
|-------|-------|
| A 3.0 | C 3.5 |
| B 3.3 | D 3.8 |

6. Rajah di bawah menunjukkan graf bagi suatu fungsi.
The diagram below shows the graph of a function.



Tentukan fungsi itu. **SK 8.2 TP 2**

Determine the function.

- A $y = \frac{1}{x}$
 B $y = x$
 C $y = x^2$
 D $y = x^3$