



LATIHAN INTENSIF

Soalan Objektif

Jawab semua soalan.

- 1 Salah satu faktor bagi $1 - 36x^2$ ialah
One of the factors of $1 - 36x^2$ is

A $1 - 16x$
B $1 + 6x$
C $6x - 1$
D $1 - 36x$

- 2 Cari persamaan paksi simetri bagi fungsi kuadratik $g(x) = 2x^2 + 4x - 3$.

Find the equation of the axis of symmetry for the quadratic function $g(x) = 2x^2 + 4x - 3$.

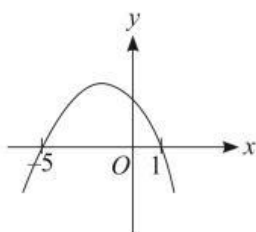
A $x = 1$
B $x = -3$
C $x = -2$
D $x = -1$

- 3 Selesaikan/Solve:

$$\frac{4}{2+x} = \frac{3x}{2-x}$$

A $x = -4, \frac{2}{3}$
B $x = 4, -\frac{2}{3}$
C $x = -4, 3$
D $x = \frac{2}{3}, 4$

- 4 Rajah 1 menunjukkan suatu graf fungsi kuadratik.
Diagram 1 shows a graph of quadratic function.



Rajah 1 / Diagram 1

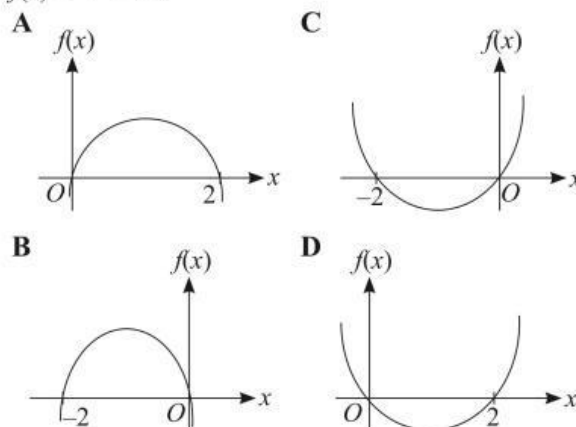
Tentukan persamaan paksi simetri bagi graf fungsi kuadratik tersebut.

Determine the equation of the axis of symmetry for the graph of quadratic function.

A $x = 1$
B $x = -2$
C $x = -3$
D $x = -5$

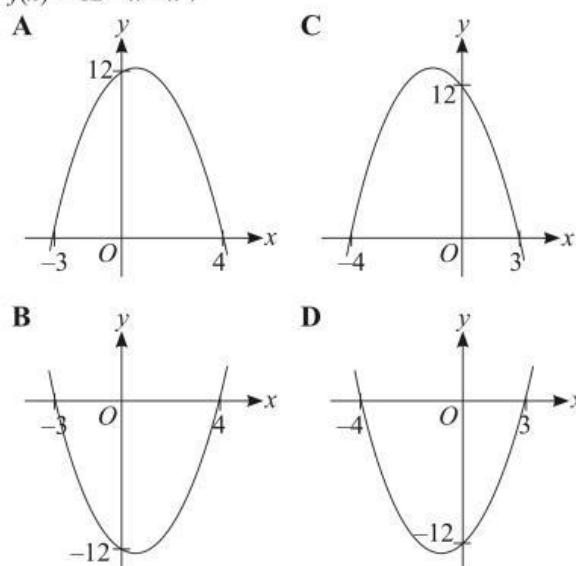
- 5 Antara berikut, graf yang manakah mewakili $f(x) = -x^2 + 2x$?

Which of the following graphs represent $f(x) = -x^2 + 2x$?



- 6 Antara berikut, graf yang manakah mewakili $f(x) = 12 - x - x^2$?

Which of the following graphs represents $f(x) = 12 - x - x^2$?



- 7 Antara berikut, yang manakah salah satu punca bagi persamaan kuadratik $2x^2 - x - 45 = 0$?

Which of the following is one of the roots of the quadratic equation $2x^2 - x - 45 = 0$?

A 2
B -5
C 9
D $-\frac{9}{2}$