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 $1 - 36x$

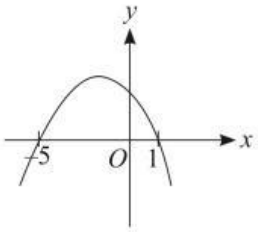
2 Cari persamaan paksi simetri bagi fungsi kuadratik $g(x) = 2x^2 + 4x - 3$.
Find the equation of the axis of symmetry for the quadratic function $g(x) = 2x^2 + 4x - 3$.
A $x = 1$
B $x = -3$
C $x = -2$
D $x = -1$

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 $x = \frac{2}{3}, 4$

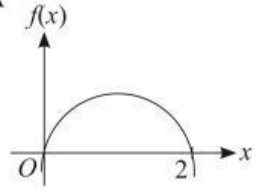
4 Rajah 1 menunjukkan suatu graf fungsi kuadratik.
Diagram 1 *shows a graph of quadratic function.*



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 $f(x) = -x^2 + 2x$?

A


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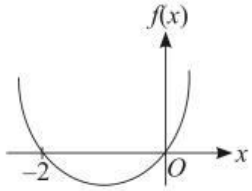

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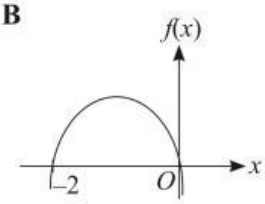
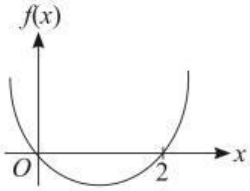
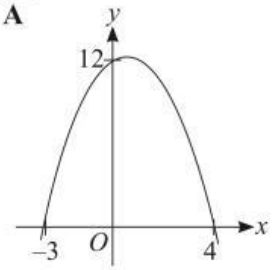
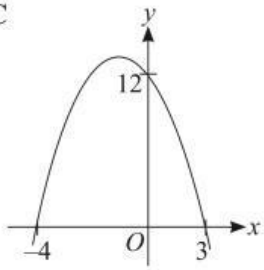
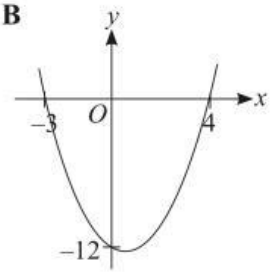


D


6 Antara berikut, graf yang manakah mewakili $f(x) = 12 - x - x^2$?
Which of the following graphs represents $f(x) = 12 - x - x^2$?

A


C


B


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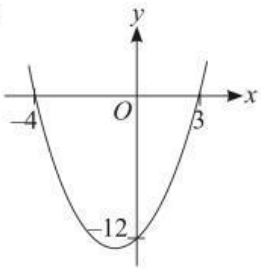

7 Antara berikut, yang manakah salah satu punca bagi persamaan kuadratik $2x^2 - x - 45 = 0$?
Which of the following is one of the roots of the quadratic equation $2x^2 - x - 45 = 0$?
A 2
B –5
C 9
D $-\frac{9}{2}$

LIVEWORKSHEETS