

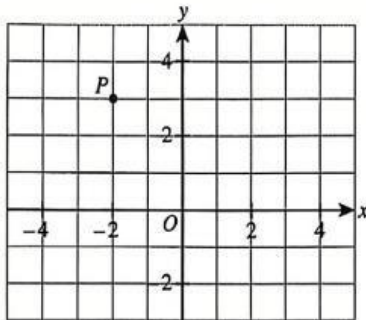
Transformasi Isometri

Isometric Transformations

BAHAGIAN A

1. Rajah di bawah menunjukkan titik P pada suatu satah Cartes.

The diagram shows point P on a Cartesian plane.



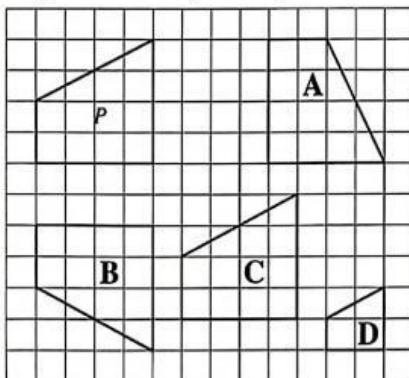
Tentukan koordinat imej titik P di bawah translasi $\begin{pmatrix} 3 \\ -5 \end{pmatrix}$.

Determine the coordinates of the image of point P under a translation $\begin{pmatrix} 3 \\ -5 \end{pmatrix}$.

- A (1, 2) B (1, -2)
C (2, -2) D (-2, 3)

2. Rajah di bawah menunjukkan lima trapezium.

The diagram shows five trapeziums.

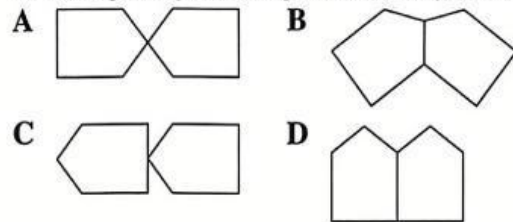


Antara trapezium A, B, C dan D, yang manakah **bukan** imej isometri bagi trapezium P ?

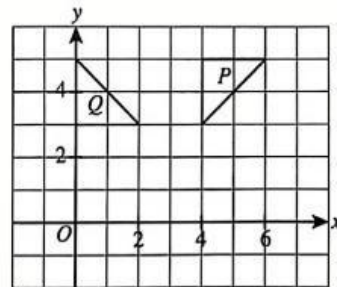
Which of the trapeziums, A, B, C or D, is **not** an isometric image of the trapezium P ?

3. Antara berikut, yang manakah **bukan** pantulan?

Which of the following is **not** a reflection?



4. Dalam rajah di bawah, segi tiga P ialah imej bagi segi tiga Q di bawah suatu transformasi.
In the diagram, triangle P is the image of triangle Q under a transformation.



Antara berikut, yang manakah transformasi yang betul?

Which of the following is the correct transformation?

- A Putaran 90° ikut arah jam pada titik (3, 2)
A clockwise rotation of 90° at point (3, 2)
B Putaran 90° ikut arah jam pada titik (2, 3)
A clockwise rotation of 90° at point (2, 3)
C Putaran 90° lawan arah jam pada titik (3, 2)
An anticlockwise rotation of 90° at point (3, 2)
D Putaran 90° lawan arah jam pada titik (2, 3)
An anticlockwise rotation of 90° at point (2, 3)