

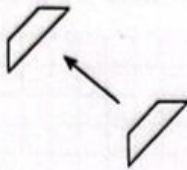
11.4 Putaran

A. Tentukan sama ada setiap transformasi yang berikut ialah putaran atau bukan.

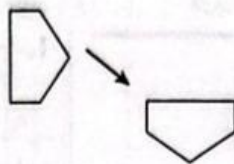
Determine whether each of the following transformations is a rotation.

TP1

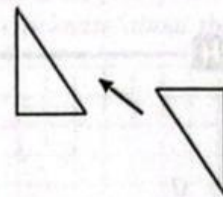
1.



2.



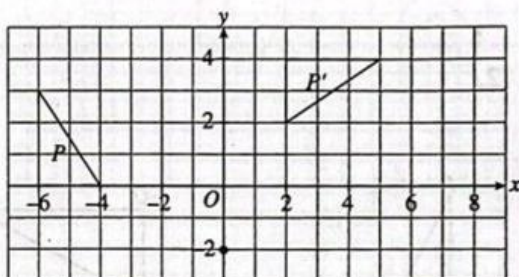
3.



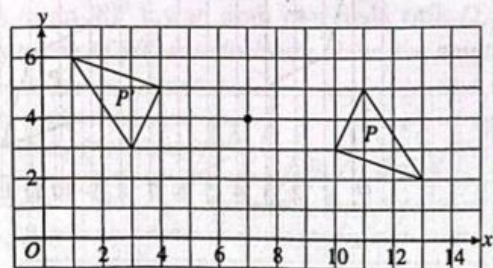
B. P' ialah imej bagi P di bawah suatu putaran. Huraikan putaran itu.

P' is the image of P under a rotation. Describe the rotation.

1.



4.

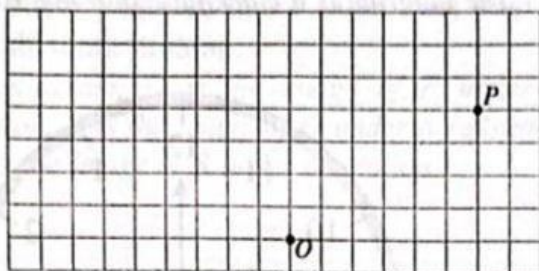


A. Lukis imej bagi P di bawah putaran yang diberikan.

Draw the image of P under the given rotation.

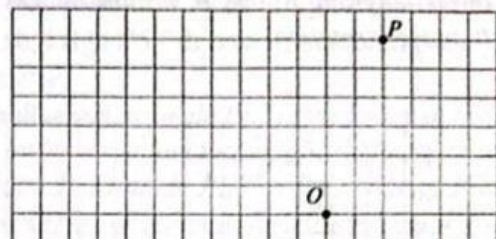
1. Putaran 90° lawan arah jam pada titik O .

Rotation of 90° anticlockwise about the point O .



2. Putaran 270° ikut arah jam pada titik O .

Rotation of 270° clockwise about the point O .



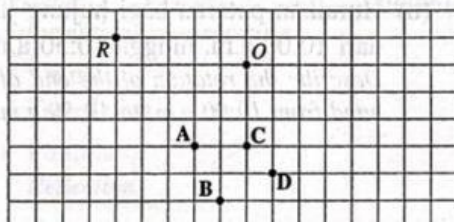
B. R ialah imej bagi suatu objek di bawah putaran yang diberikan. Bulatkan objek bagi R .

R is the image of an object under the given rotation. Circle the object of R .

TP3

1. Putaran 90° ikut arah jam pada titik O .

Rotation of 90° clockwise about the point O .



2. Putaran 180° pada titik O .

Rotation of 180° about the point O .

