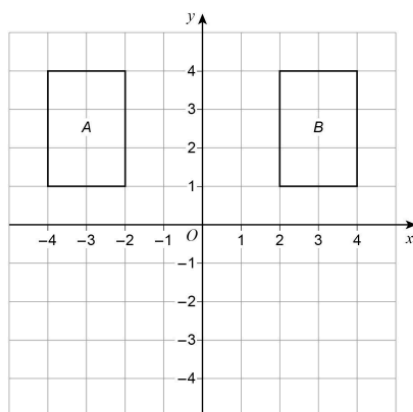


Q1. (2017)

21 (a) The diagram shows rectangles A and B.



Rectangle A can be mapped to rectangle B by a **single** transformation.

Javed says,

"The **only** single transformation is a reflection in the  $y$ -axis because the rectangles are on opposite sides of the  $y$ -axis."

Is he correct?

Tick a box.

Yes ☐

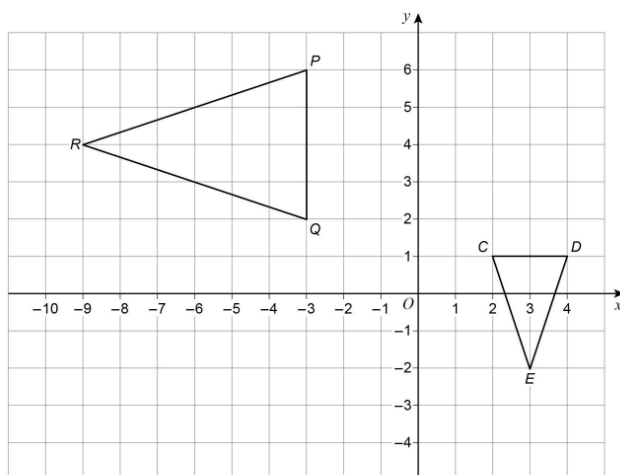
No ☐

Give a reason for your answer.

[1 mark]

Q2. (2017)

21 (b) This diagram shows triangles  $CDE$  and  $PQR$ .



$CDE$  is mapped to  $PQR$  by combining two single transformations.

The first is a rotation of  $90^\circ$  anticlockwise about  $E$ .

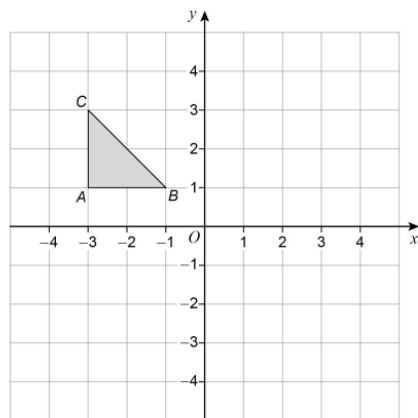
Describe fully the second transformation.

[3 marks]

Q3. (2021)

29

Here is triangle  $ABC$  on a grid.



Describe a **single** transformation of the triangle so that

point  $B$  is invariant

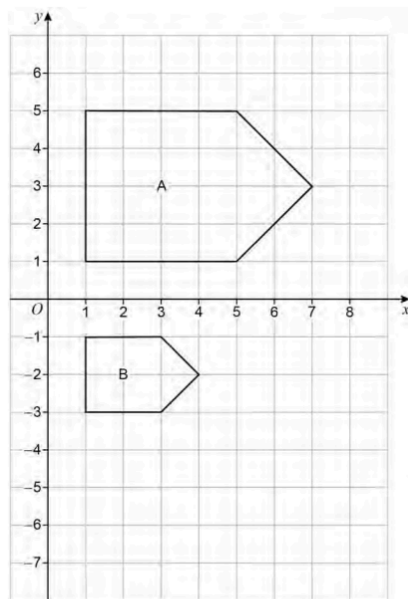
point  $A$  moves to  $(1, 1)$

point  $C$  moves to  $(1, -1)$

[3 marks]

Q4. (2024)

11



Describe fully the **single** transformation that maps shape  $A$  to shape  $B$ .

[3 marks]