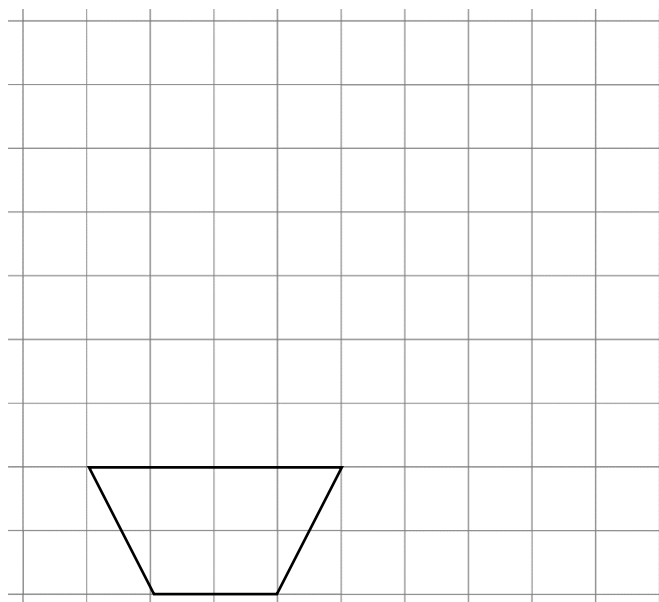




Enlargements Exam Practice

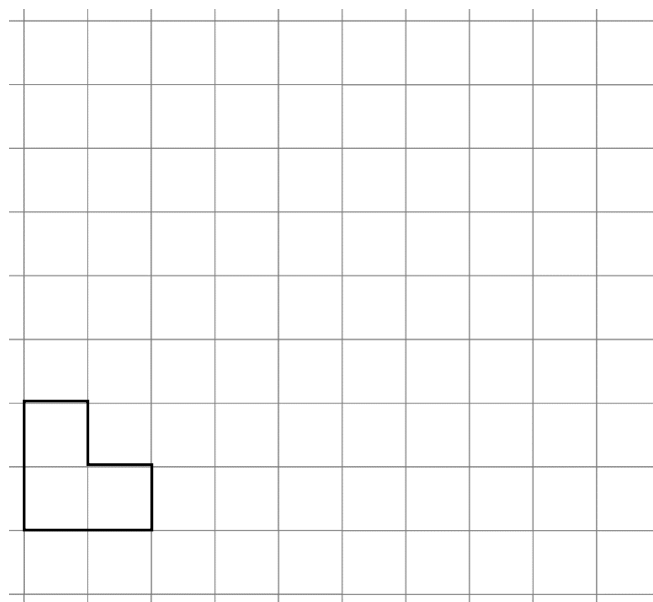
Q1. Draw an enlargement of the shape shown on the grid using a scale factor of 2.

(2 marks)



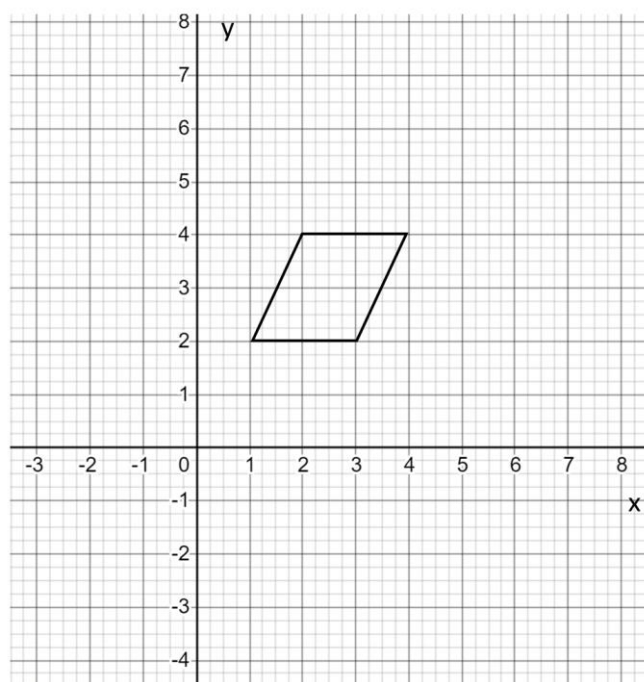
Q2. Draw an enlargement of the shape shown on the grid using a scale factor of 3.5

(2 marks)



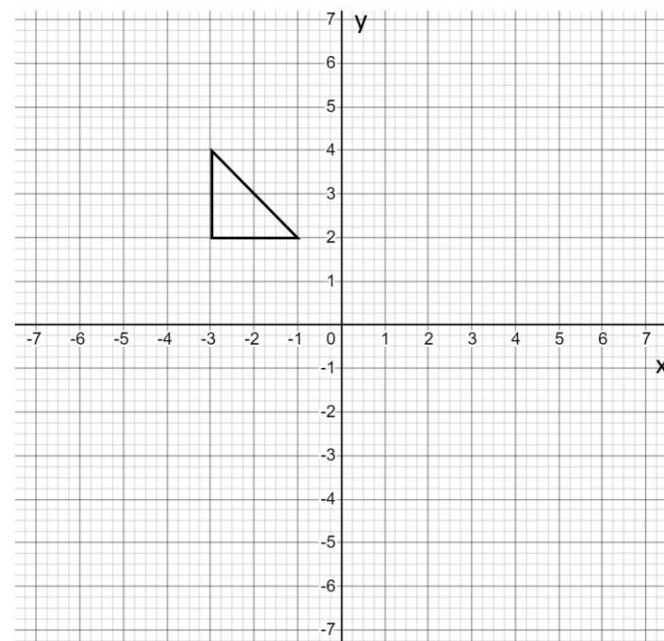
Q3. Enlarge the shape shown by scale factor 2 about the point (0,0).

(3 marks)



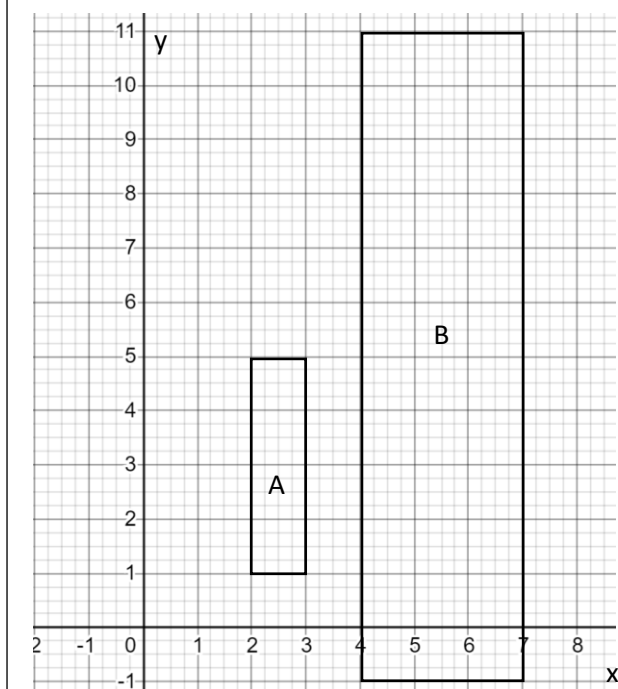
Q4. Enlarge the shape shown by scale factor 3 about the point (-6,3).

(3 marks)

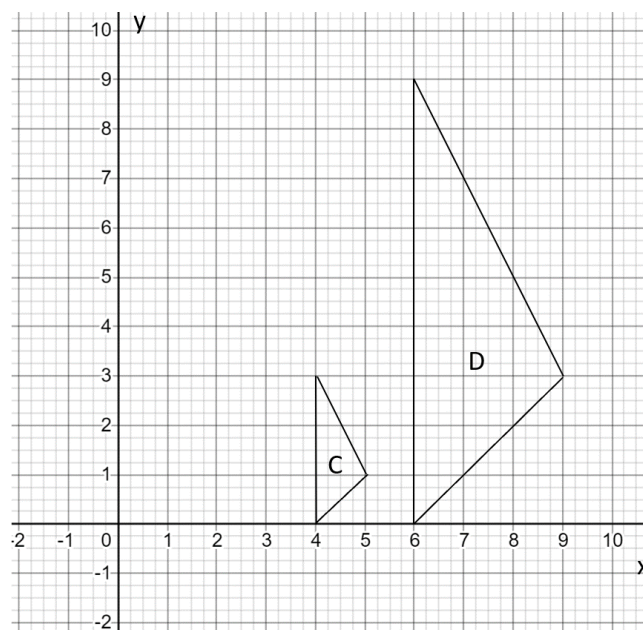




Q5. Describe fully the transformation which takes shape A to B.
(3 marks)



Q6. Describe fully the transformation which takes shape D to C.
(3 marks)



Q7. A shape ABC is to be enlarged about the point (2,3) using a scale factor of 2 to form the shape PQR.

If A is the point (5, 7), work out the co-ordinates of point P.

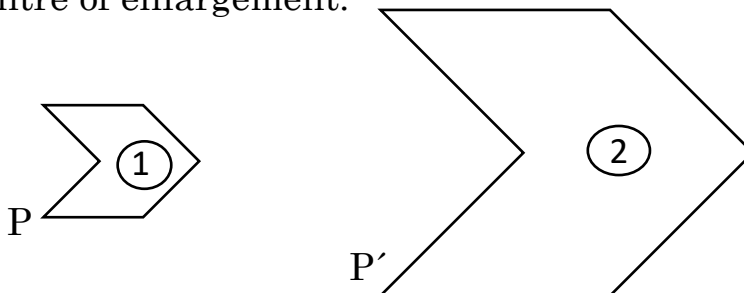
(2 marks)

Q8. A shape DEF is to be enlarged about the point (-2,5) using a scale factor n to form the shape RST.

If D is the point (0, 7), and R is the point (3,15) work out the value of n .

(2 marks)

Q9. Below is a sketch of an enlargement. Shape 2 is an enlargement of shape 1, by scale factor 3. Given that $P = (7, -1)$ and $P' = (11, -7)$, work out the co-ordinates of the centre of enlargement.



(3 marks)