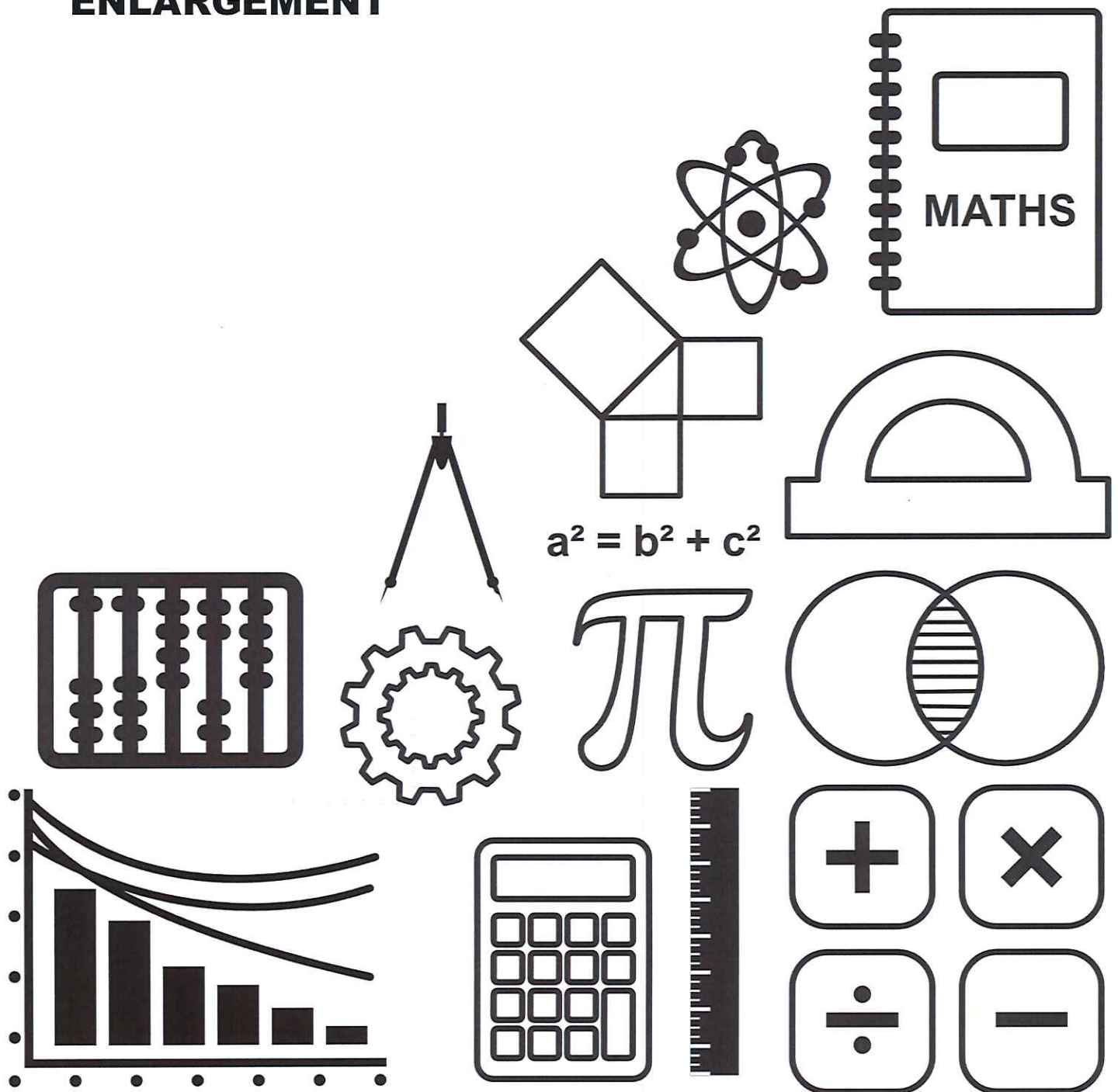


MATHSDIY

SOLUTIONS

GCSE TOPIC BOOKLET ENLARGEMENT

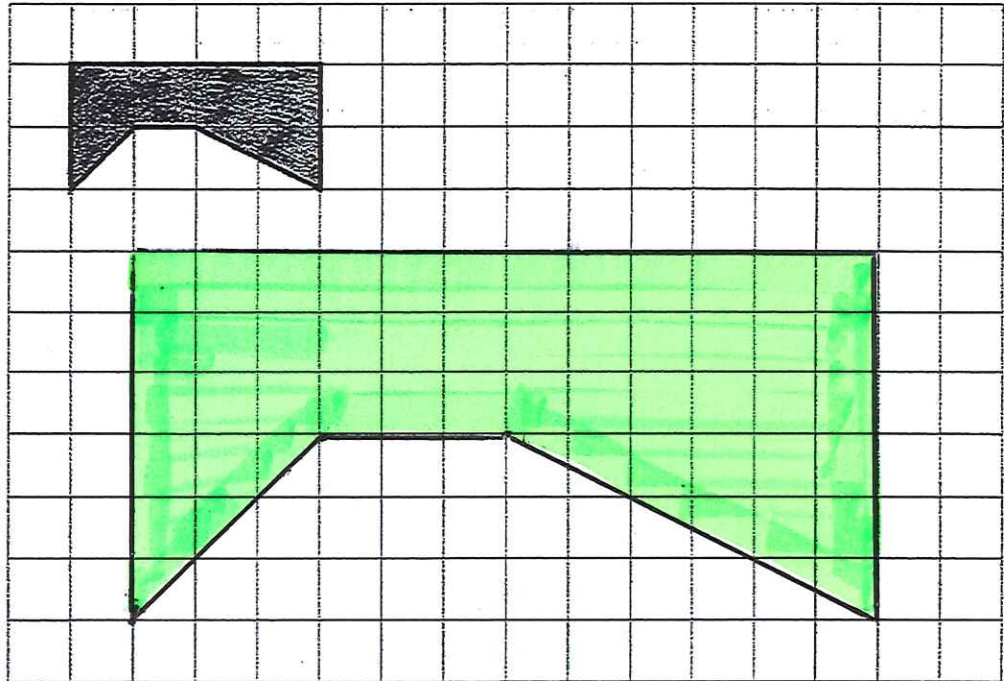


1.

On the grid below, draw an enlargement of the given shape, using a scale factor of 3.

[2]

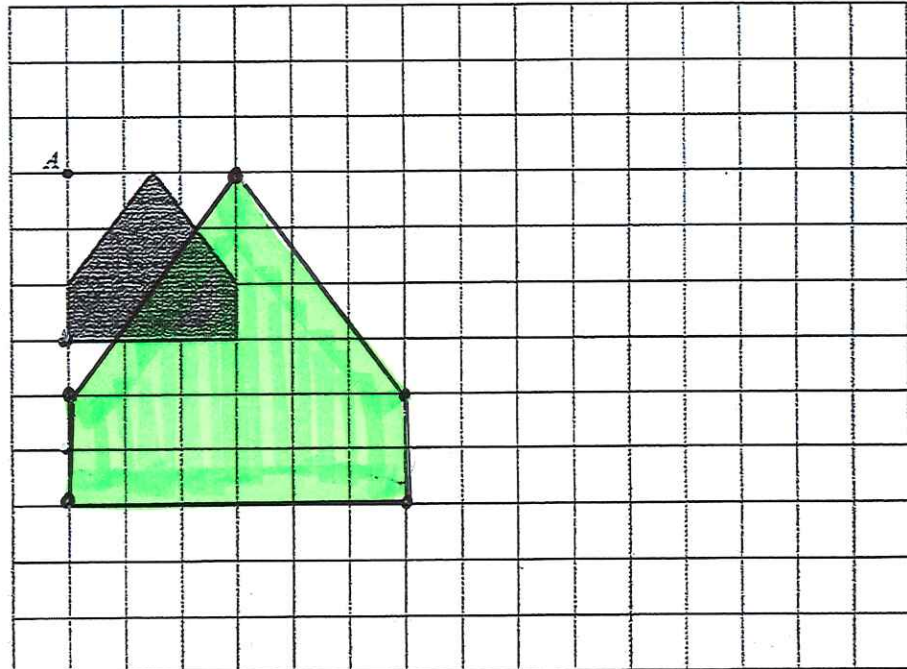
In ① there is no centre of enlargement so you can draw it anywhere.



2.

Enlarge the shape shown on the grid by a scale factor of 2 using A as the centre of the enlargement.

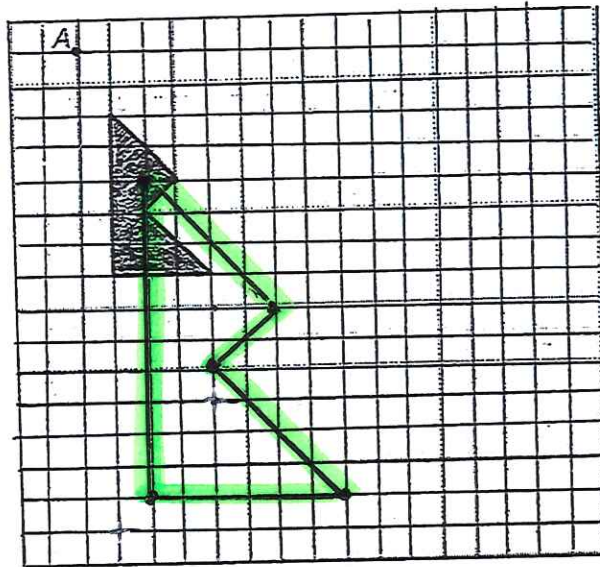
In ② there is a centre of enlargement, so the shape must be in exactly the correct spot.



[3]

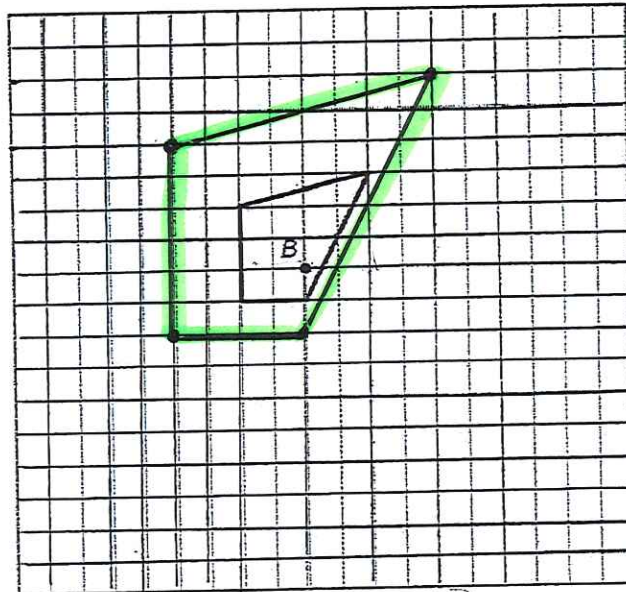
3.

Enlarge the shape shown on the grid by a scale factor of 2, using A as the centre of enlargement. [3]



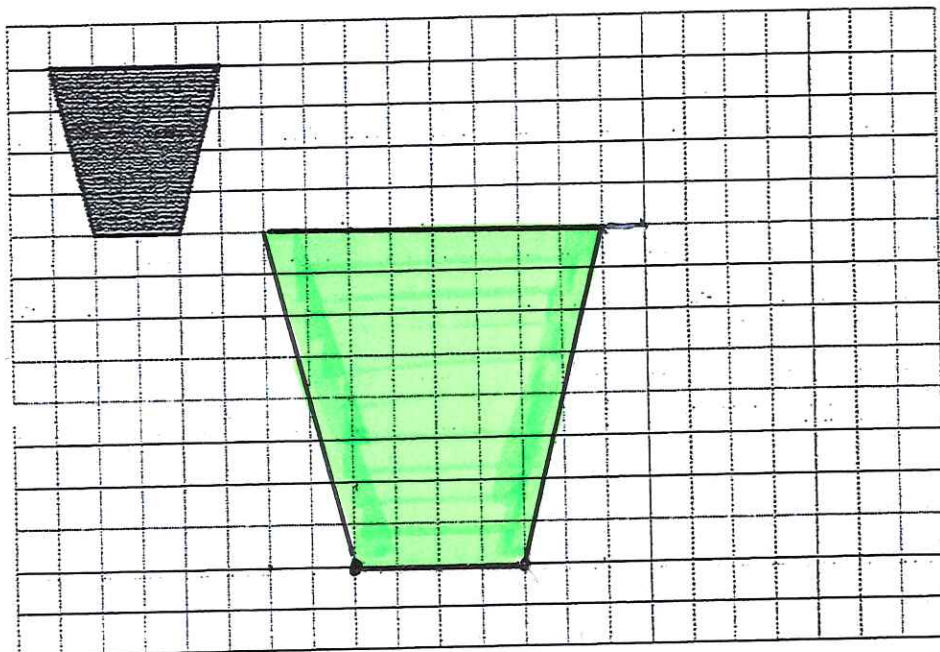
4.

Using the point B as the centre, enlarge the quadrilateral by a scale factor of 2. [2]



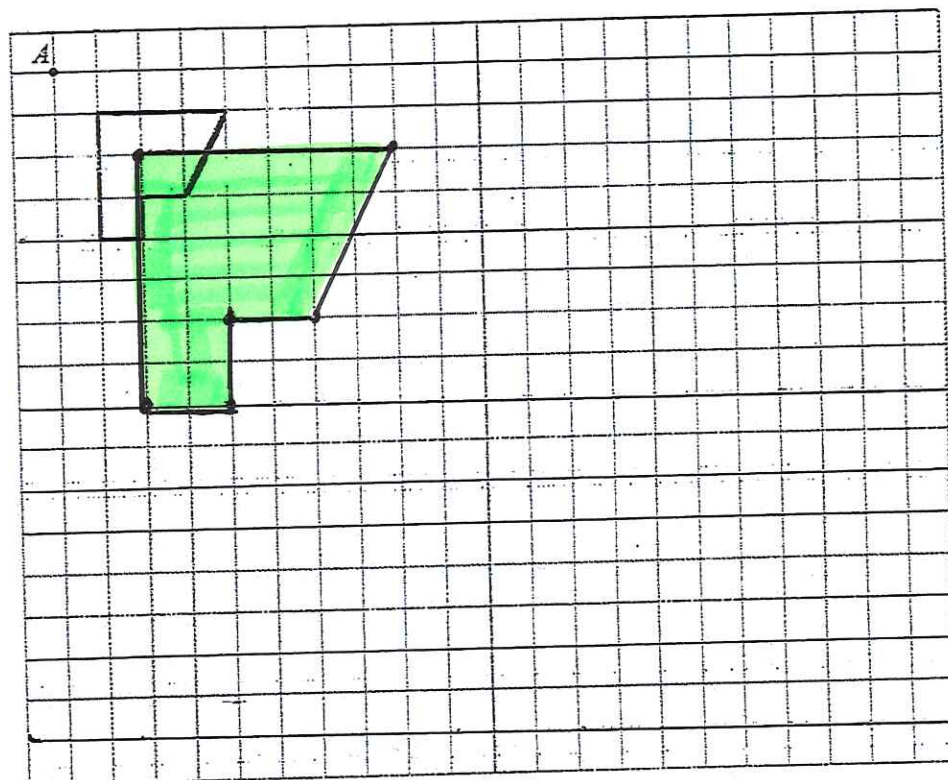
5.

Enlarge the following shape by a scale factor of 2. $\rightarrow$ No centre of enlargement, draw anywhere. [2]



6.

On the grid below, draw the enlargement of the given shape, using a scale factor of 3 and centre A. [3]

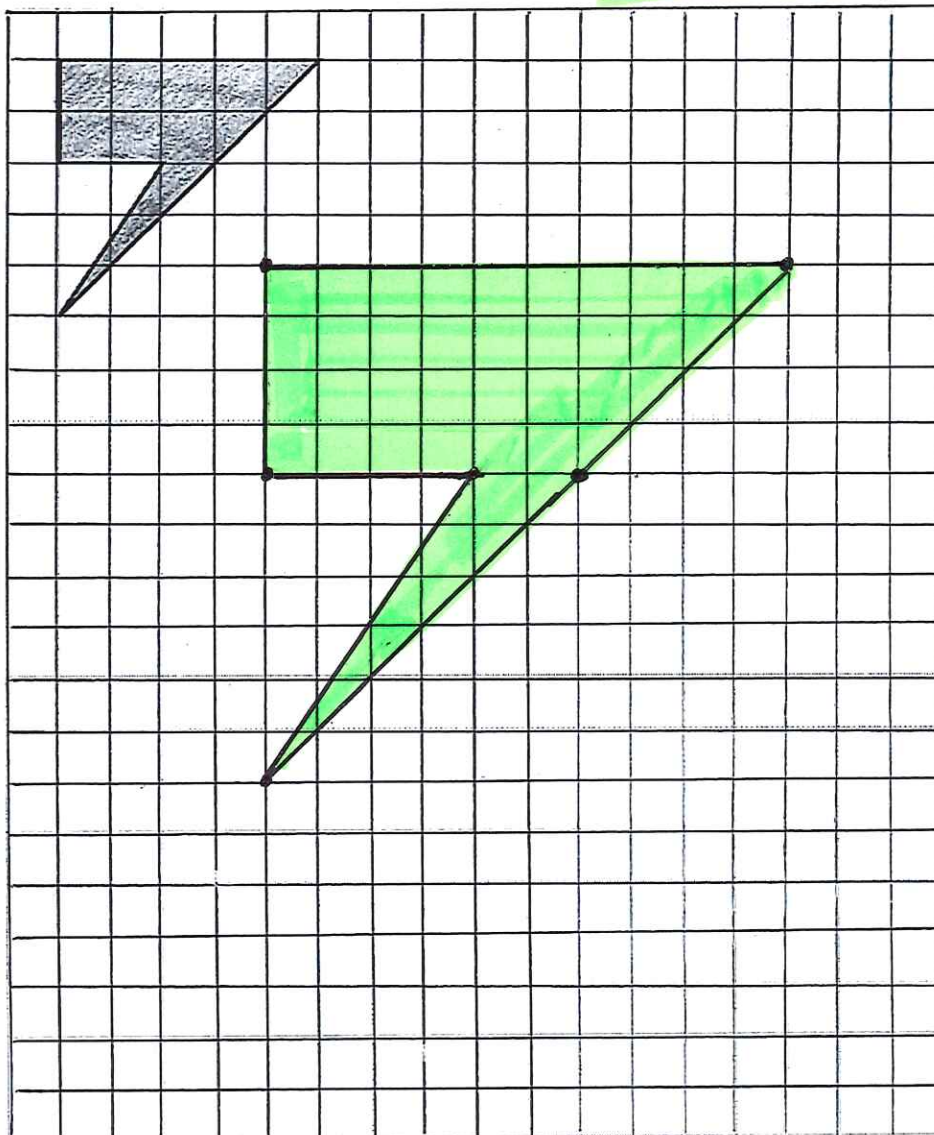


7.

Enlarge the following shape by a scale factor of 2.

[2]

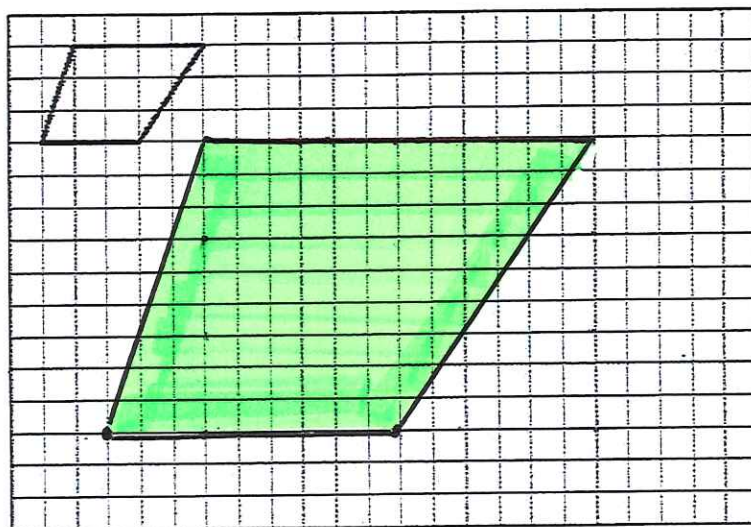
no centre of enlargement
so draw anywhere.



8.

Enlarge the following shape by a scale factor of 3.

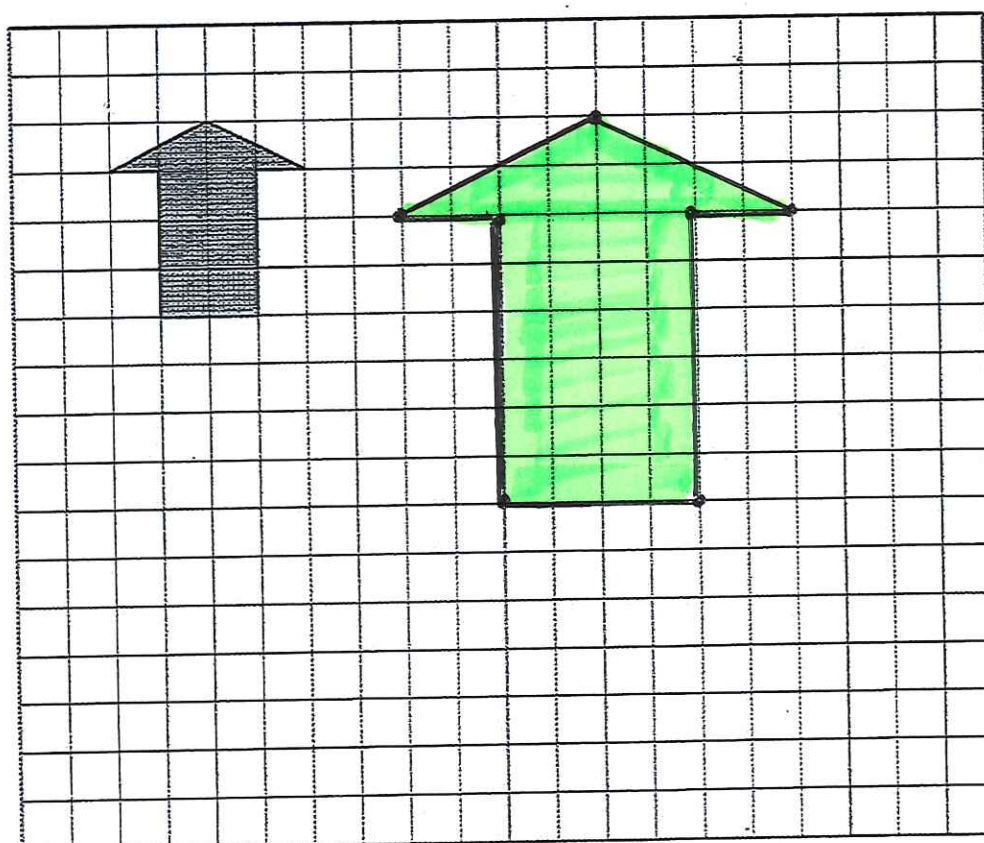
[2]



9.

Enlarge the following shape by a scale factor of 2.

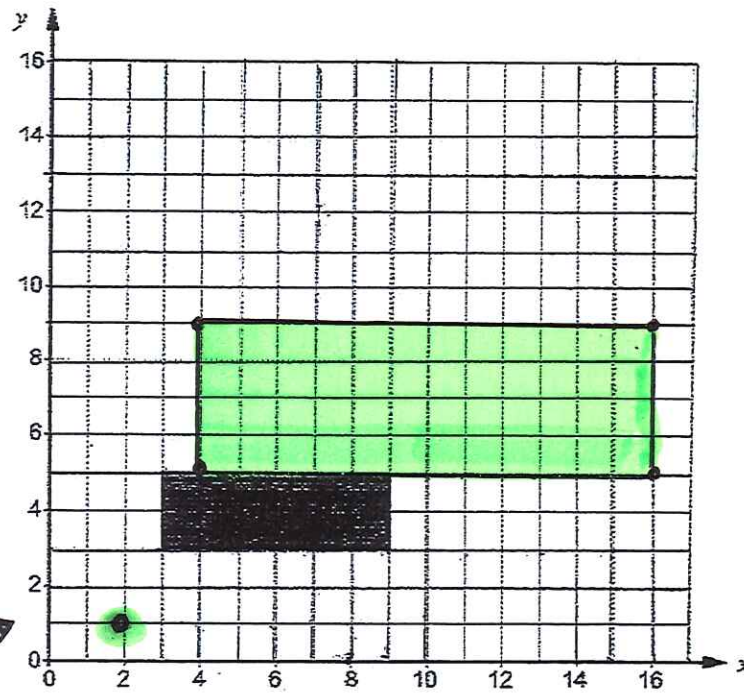
[2]



10.

Enlarge the rectangle shown by a scale factor of 2, using (2, 1) as the centre of the enlargement. [2]

centre of enlargement →



11.

Enlarge the given triangle, using scale factor 3 and centre C. [2]

