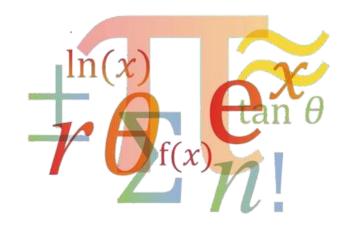
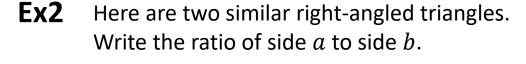
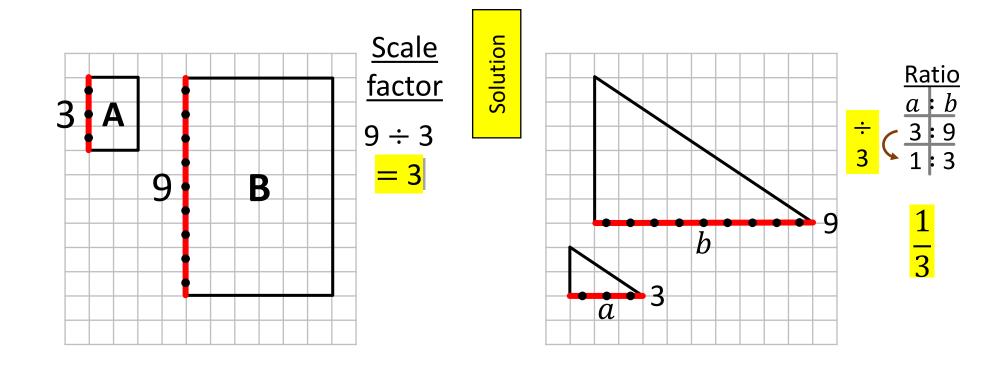


Topic: Enlargement



Work out the scale factor that enlarges rectangle A onto rectangle B.

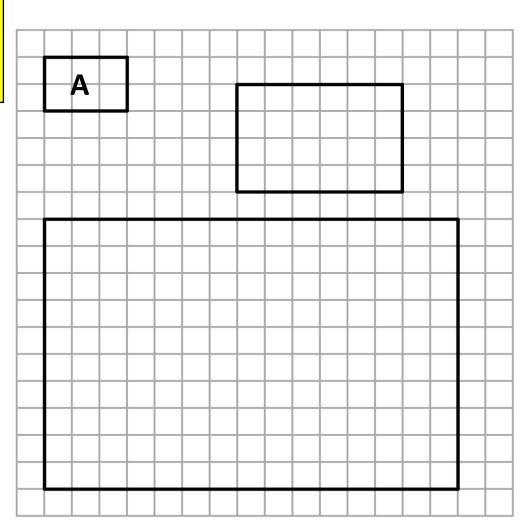




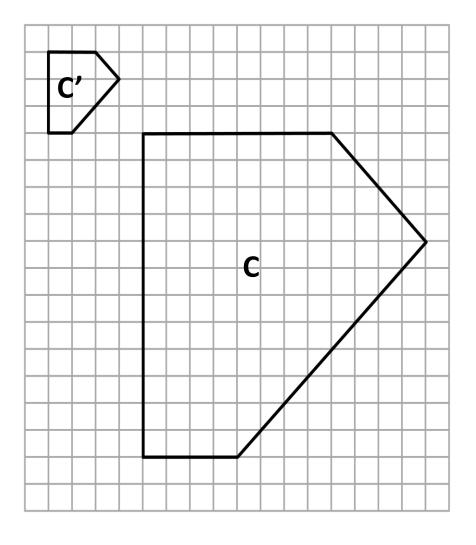
Q2

Find the scale factor the enlarges **A** onto each of the other rectangles.

Solution



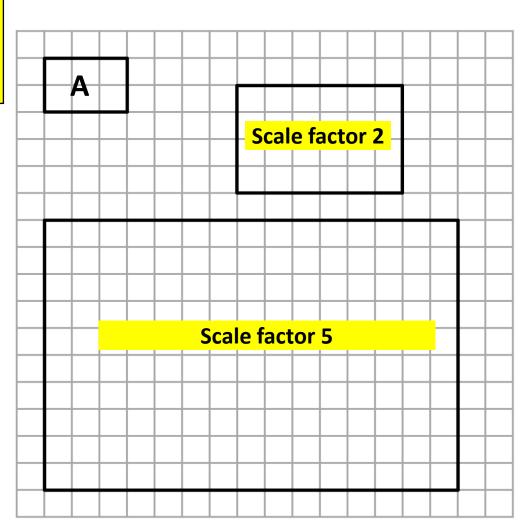
Find the scale factor that enlarges **C** onto **C'**.



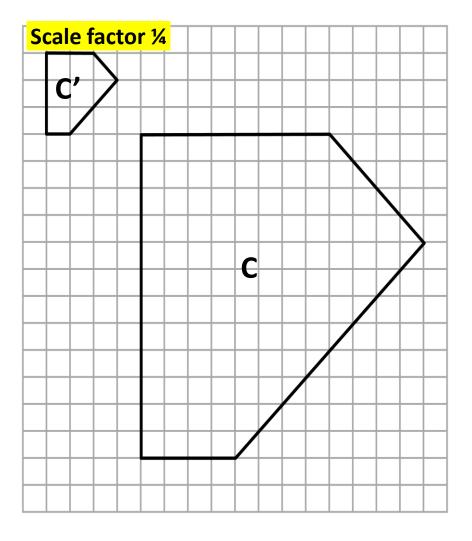
Q2

Find the scale factor the enlarges **A** onto each of the other rectangles.

Solution



Find the scale factor that enlarges **C** onto **C'**.

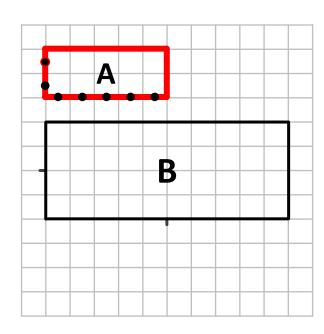


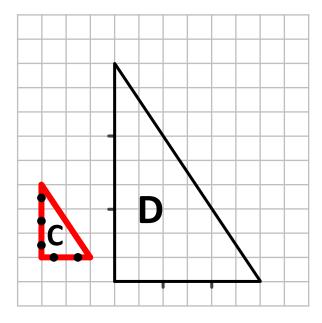
x3 Enlarge shape A by a scale factor of 2 and label its image B.



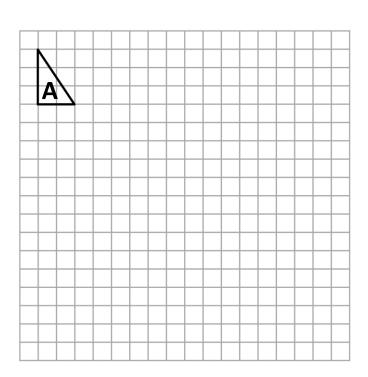
Solution

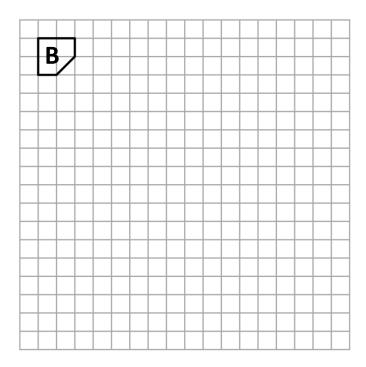
Enlarge shape C by a scale factor of 3 and label its image D.



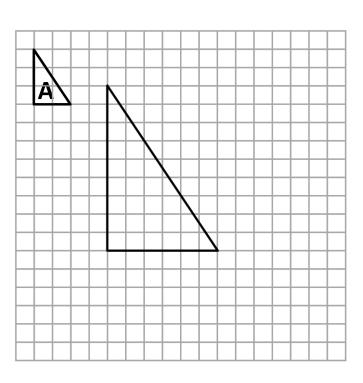


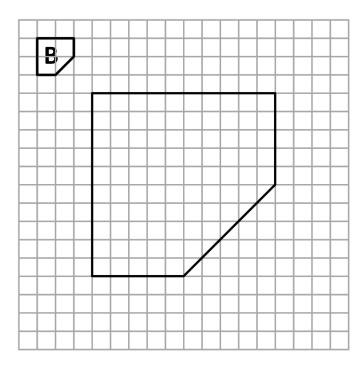
Solution



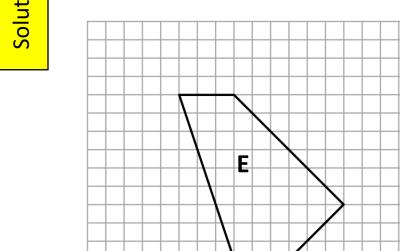


Solution



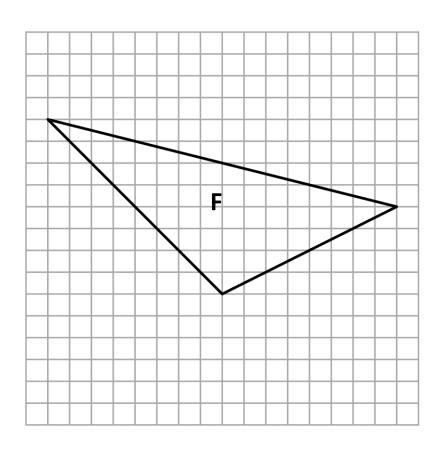


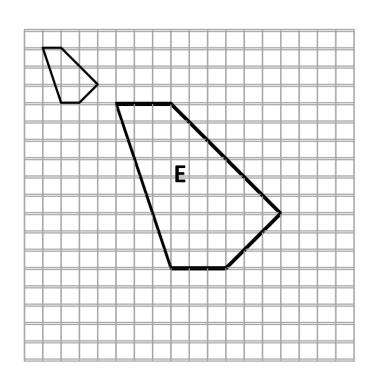
Q3 Enlarge E by a scale factor 1/3.



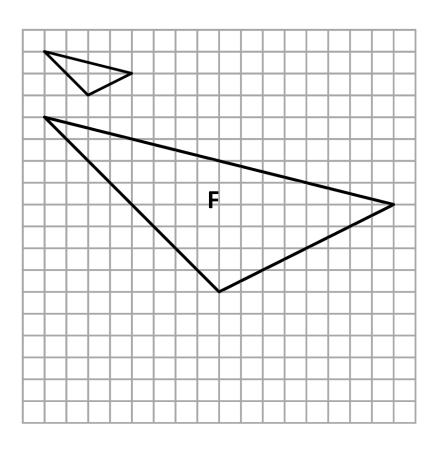
Q4 Enlarge **F** by a scale factor ¼.

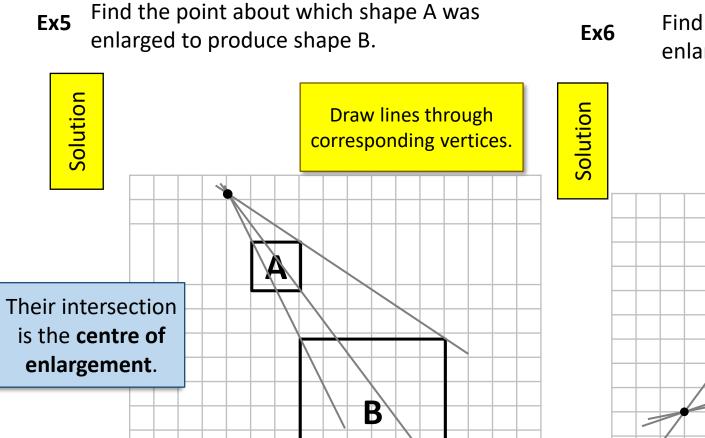




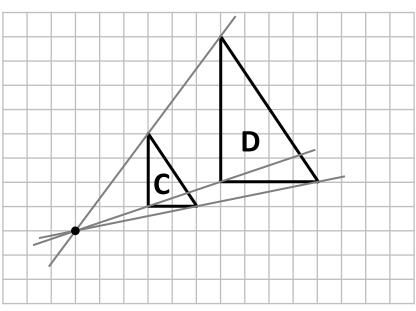


Q4 Enlarge **F** by a scale factor ¼.



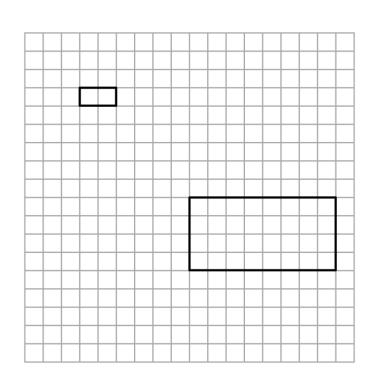


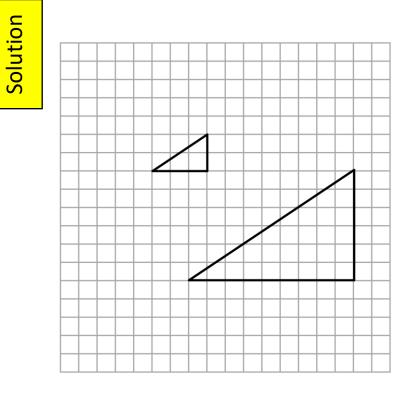
Find the point about which shape C was enlarged to produce shape D.



Q1 Find the centre of enlargement.

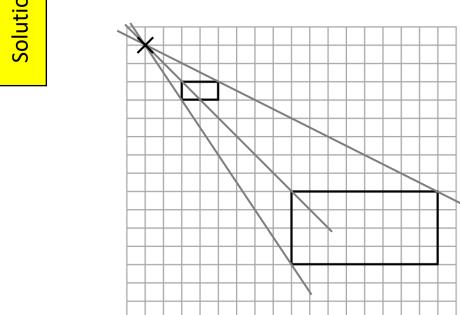
Q2 Find the centre of enlargement.

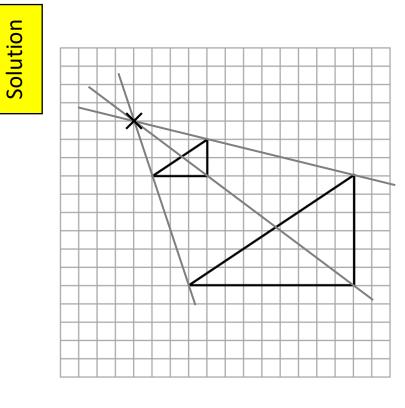




Q1 Find the centre of enlargement.

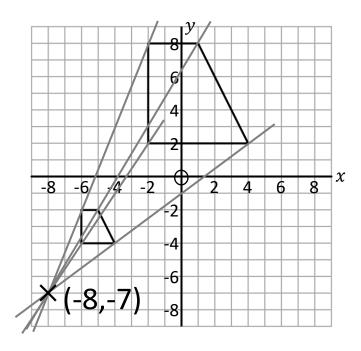
Q2 Find the centre of enlargement.



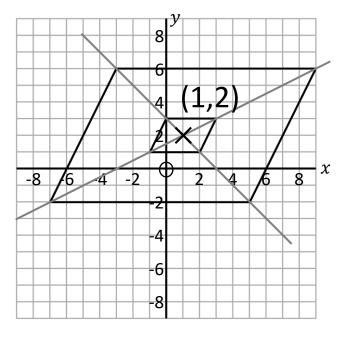


Q3 Give the coordinates of the centre of enlargement.

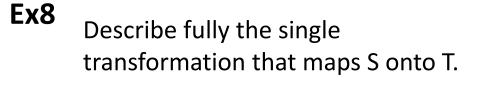
Solution

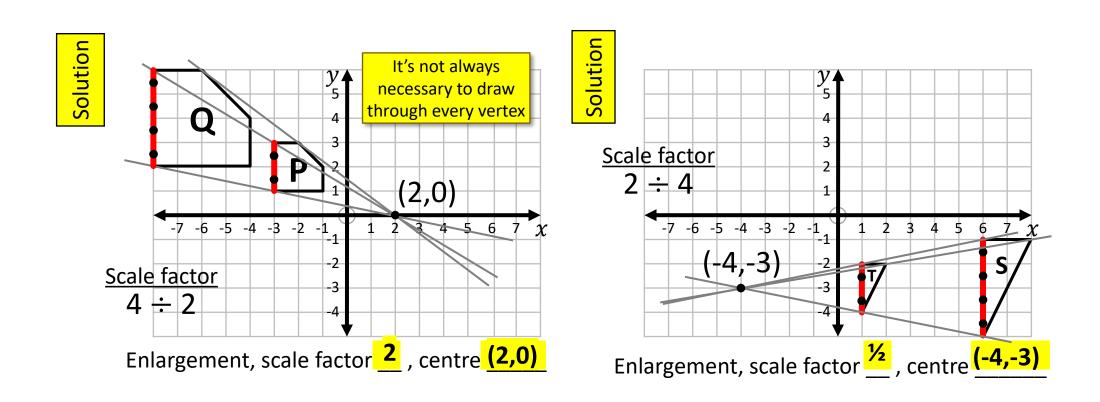


Q4 Give the coordinates of the centre of enlargement.

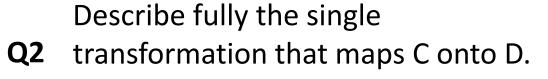


Describe fully the single transformation that maps P onto Q.

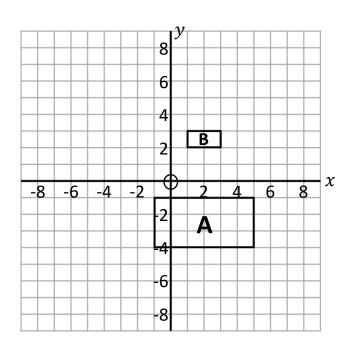




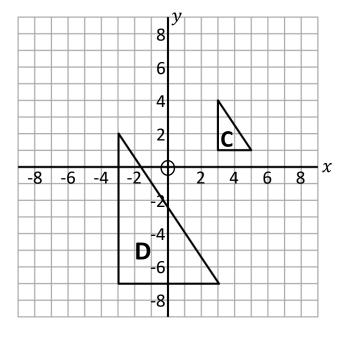
Q1 Describe fully the single transformation that maps A onto B.







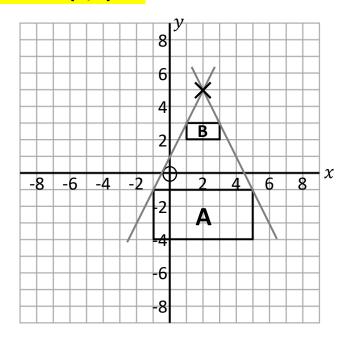




Describe fully the single Q1 transformation that maps A onto B.

Solution

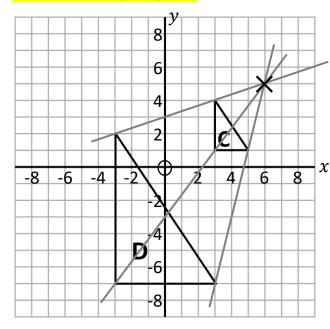
Enlargement Scale factor ⅓ **Centre (2,5)**



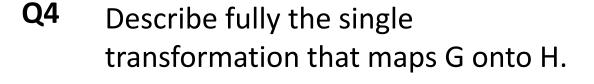
Describe fully the single transformation that maps C onto D. Q2

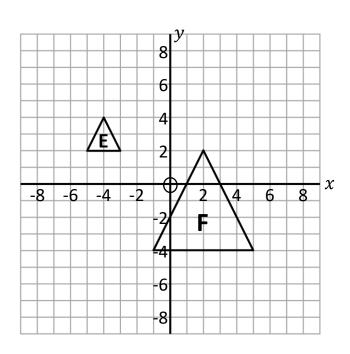
Solution

Enlargement Scale factor 3 Centre (6,5)

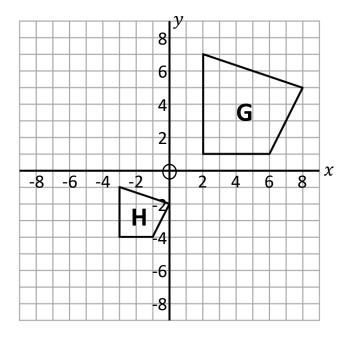


Q3 Describe fully the single transformation that maps E onto F.



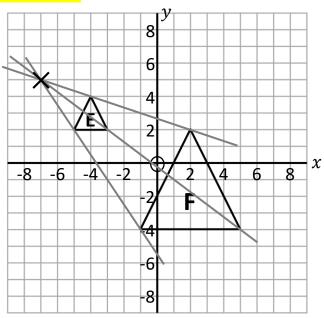






Q3 Describe fully the single transformation that maps E onto F.

Enlargement Scale factor 3 Centre (-7,5)



Q4 Describe fully the single transformation that maps G onto H.

Solution

Enlargement Scale factor ½ Centre (-8,-9)

