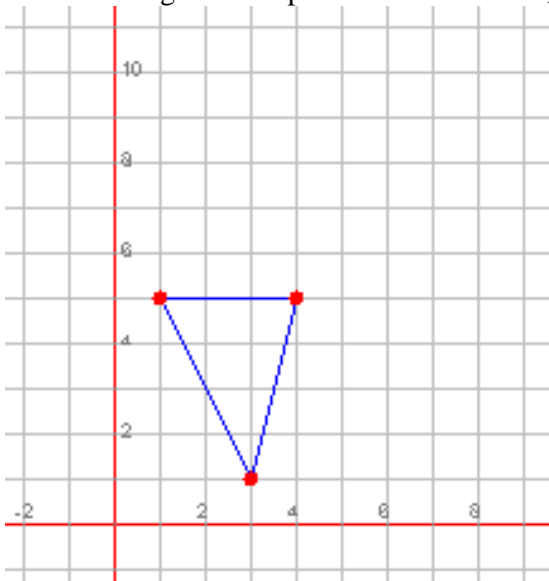


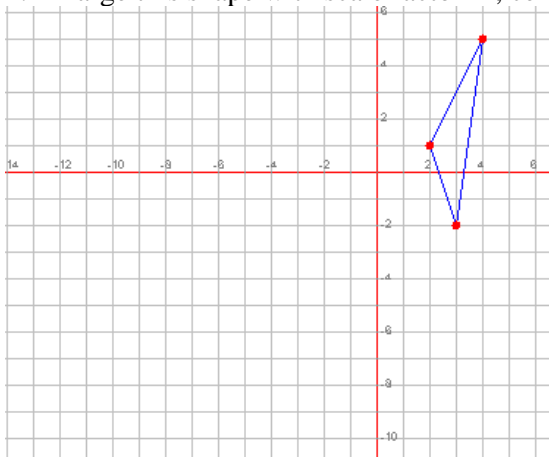
# Enlargements

Applet: [www.waldomaths.com/Enlarge01NLW.jsp](http://www.waldomaths.com/Enlarge01NLW.jsp)

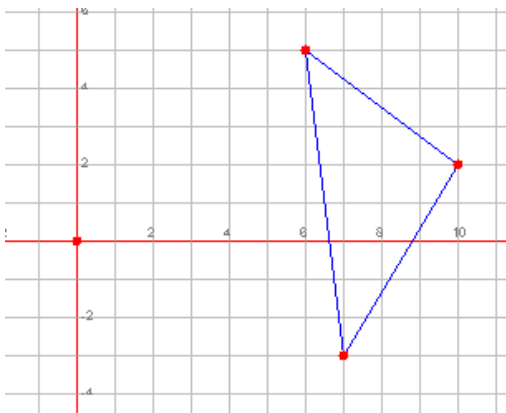
1 Enlarge this shape with scale factor 2, centre (0,0)



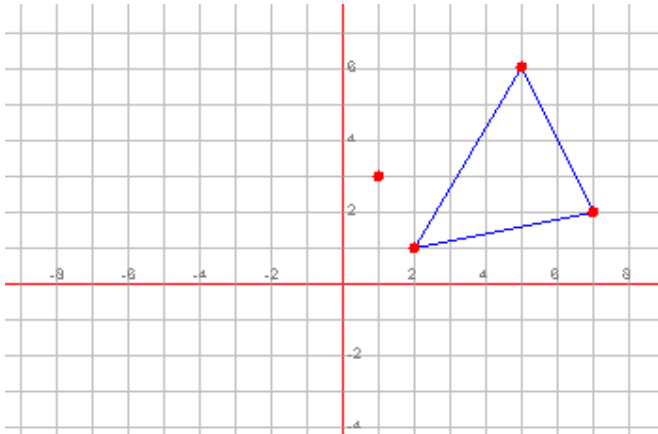
2. Enlarge this shape with scale factor -2, centre (0,0).



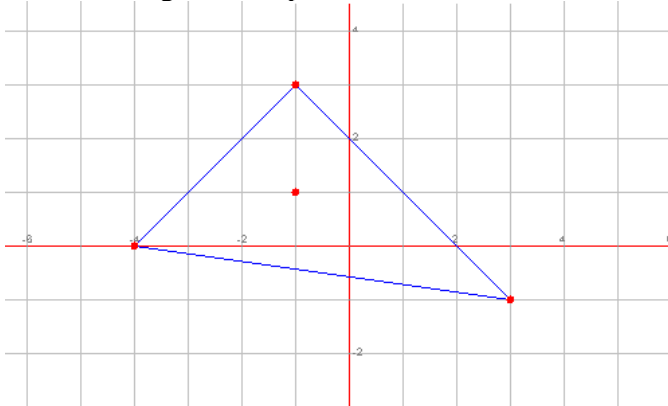
3 Enlarge this shape, scale factor 0.5, centre (0,0)



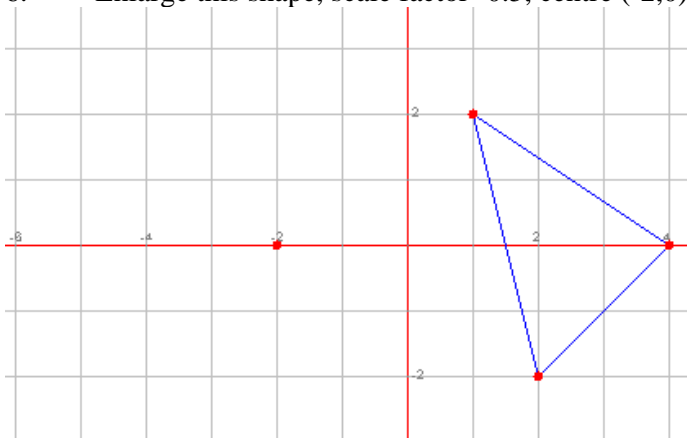
4. Enlarge this shape, scale factor  $-1.5$ , centre  $(1,3)$ .



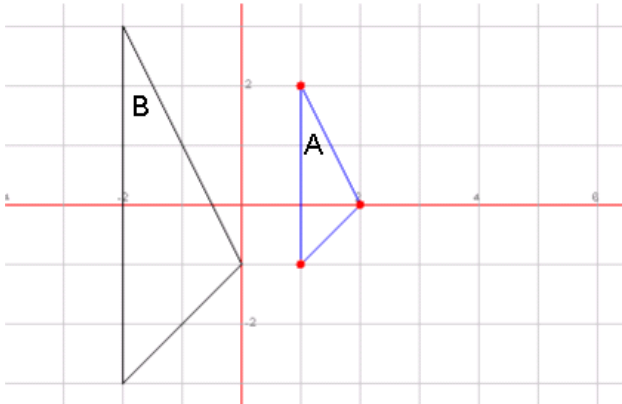
5. Enlarge this shape with scale factor  $1.5$ , centre  $(-1,1)$



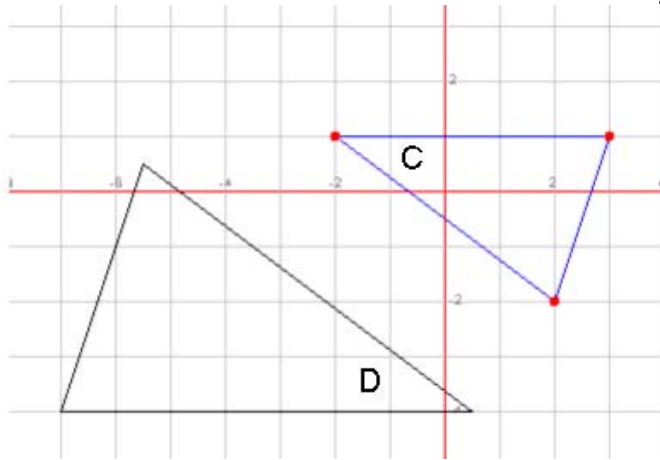
6. Enlarge this shape, scale factor  $-0.5$ , centre  $(-2,0)$



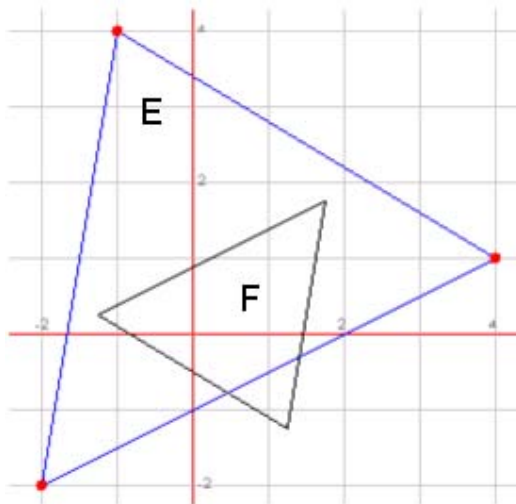
7. Find the centre and the scale factor of the enlargement from A to B.



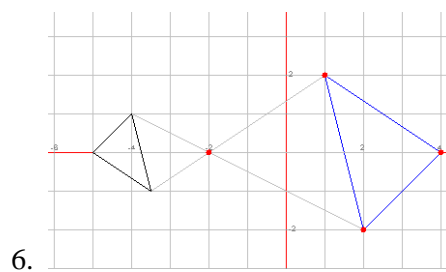
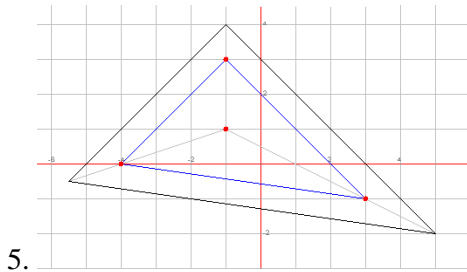
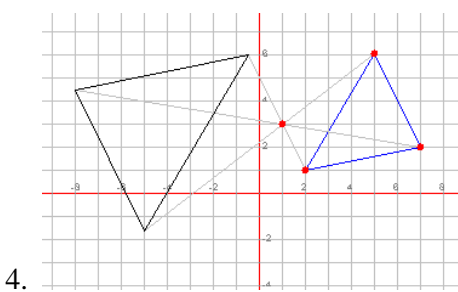
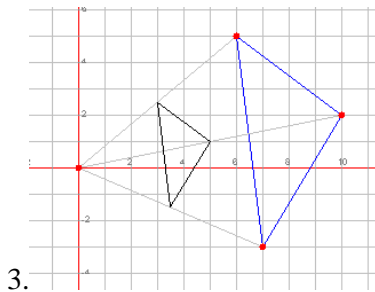
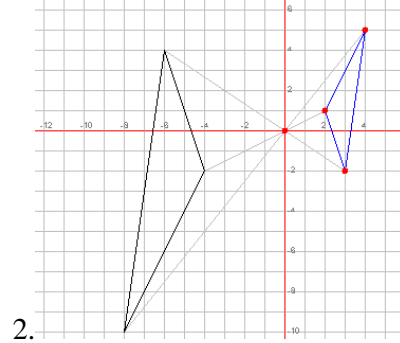
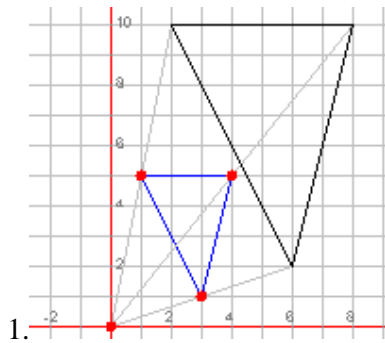
8. Find the centre and the scale factor of the enlargement from C to D.



9. Find the centre and the scale factor of the enlargement from E to F.



Answers:



7. Centre: (4,1), scale factor: 2  
 8. Centre: (-1,-1), scale factor: -1.5  
 9. Centre: (0.5,0.5), scale factor: -0.5