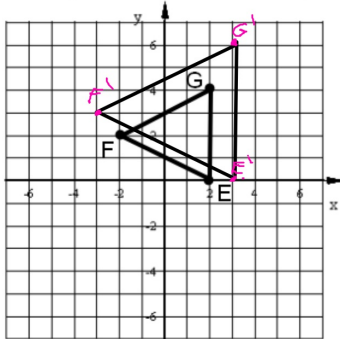


1. Dilate triangle EFG with a scale factor of 1.5 : 1. The center of dilation is the origin. Plot and label the points of the image.

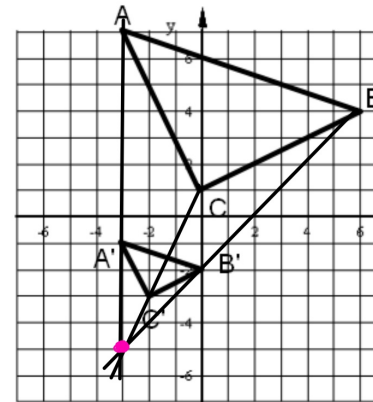


List the coordinates of the preimage then multiply all of them by 1.5

2. Triangle ABC is dilated with a scale factor of 2:3. The center of dilation is the origin. State the coordinates of the image.

A(3,6) B(3,3) C(9,6)      A'(2,4) B'(2,2) C'(6,4)

3. Find the coordinates for the center of dilation and the scale factor.



4. Find the coordinates of the image for triangle PQR after a dilation with center at (6,7) and scale factor 2:1.

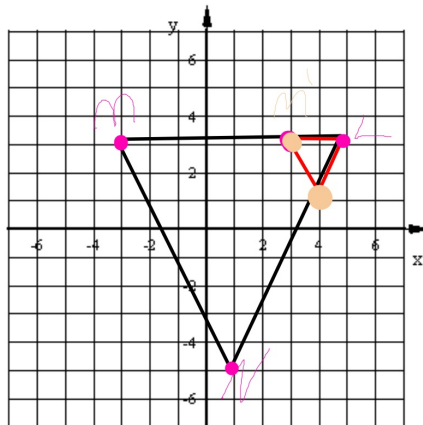
P(5,3) Q(1,4) R(3,7)

COO  
(-3, -5)  
SF = 1/3

5. Dilate triangle LMN with a scale factor 1:4.

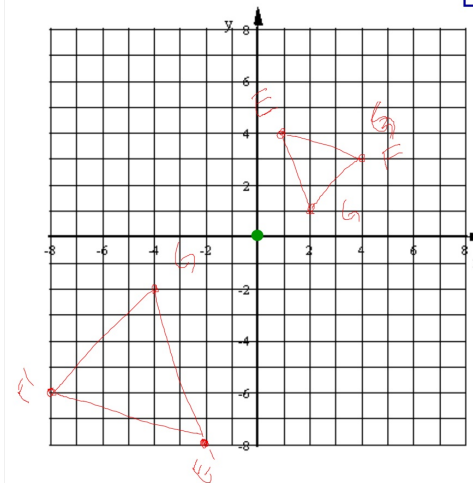
L(5,3) M(-3,3) N(1,-5)

The center of dilation is Point L.



Use graph paper to dilate triangle EFG with a scale factor -2. The center of dilation is the origin.

E(1,4) F(4,3) G(2,1)



Scale factor of -2 means twice as far in the opposite direction.