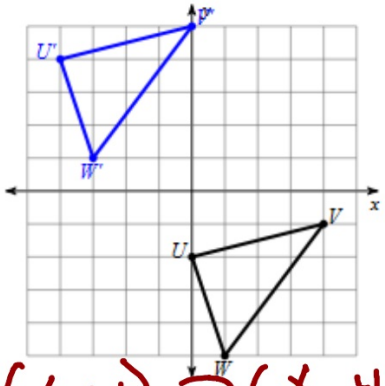
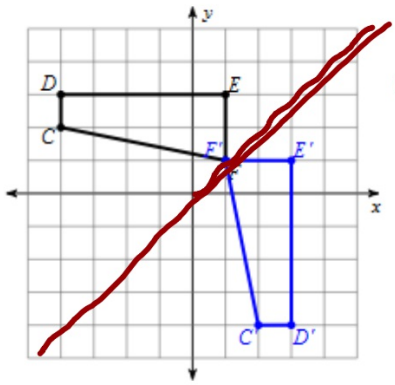
Write a rule to describe each transformation.

1)



$(x, y) \Rightarrow (x-4, y+6)$

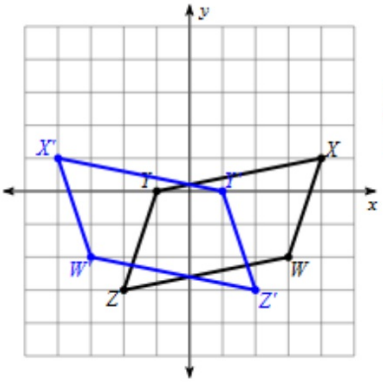
2)



reflection across $y = x$

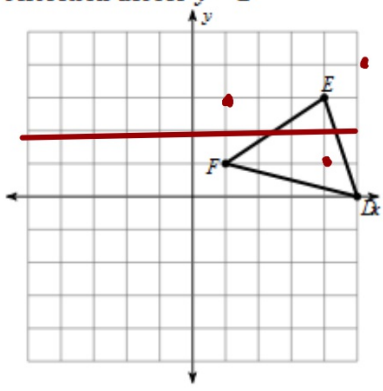
Find the coordinates of the new figure

3)



reflect across y-axis

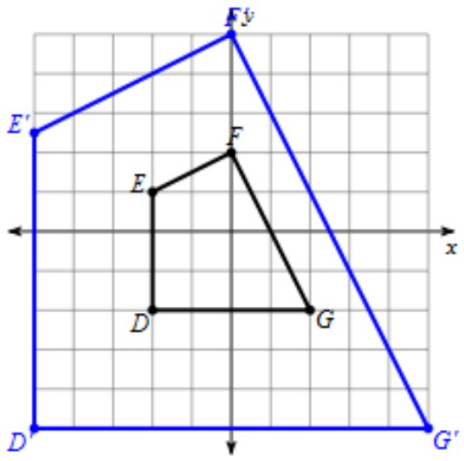
4) reflection across $y = 2$



D'(5 , 4)
E'(4 , 1)
F'(1 , 3)

Write a rule to describe each transformation.

1)



D(-2,-2) → D'(-5,-5)

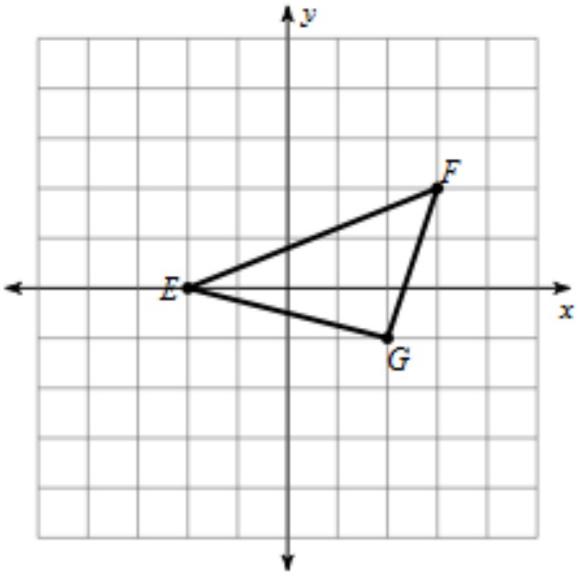
E(-2,1) → E'(-5,2.5)

F(0,2) → F'(0, 5)

G(2,-2) → G (5,-5)

Dialation of 2.5

2) dilation of 1.5 about the origin



$E(-2,0) \rightarrow E'(-3,0)$

$F(3,2) \rightarrow F'(4.5,3)$

$G(2,-1) \rightarrow G'(3,-1.5)$