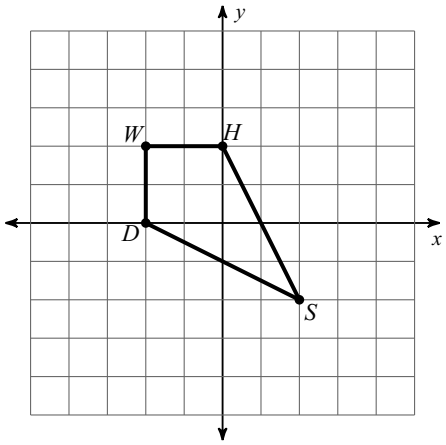
Geometry Name_____ ID: 1

Dilations

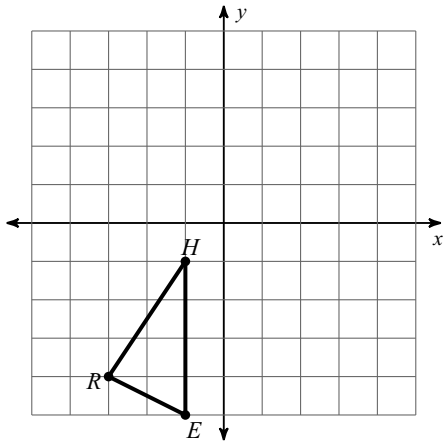
Date_____ Period____

Graph the image of the figure using the transformation given.

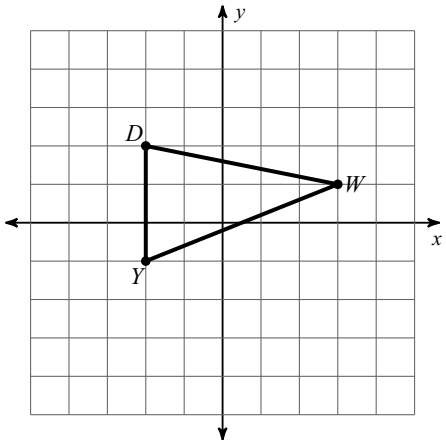
1) dilation of 2



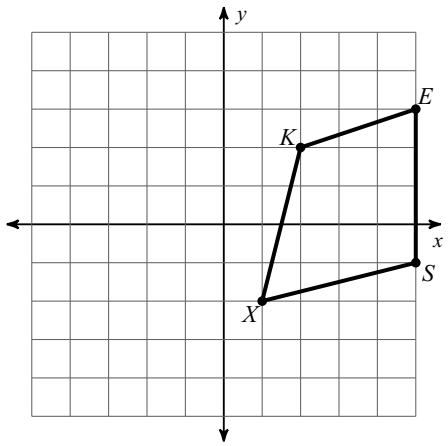
2) dilation of 0.25



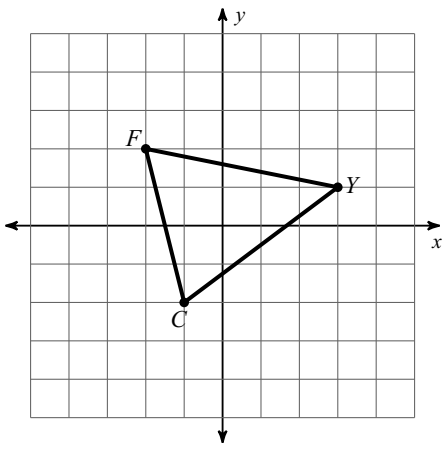
3) dilation of 1.5



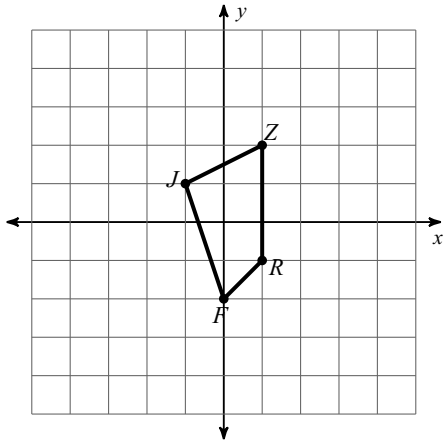
4) dilation of $\frac{1}{4}$



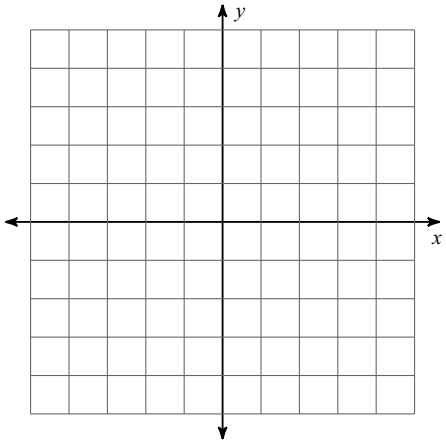
5) dilation of $\frac{3}{2}$



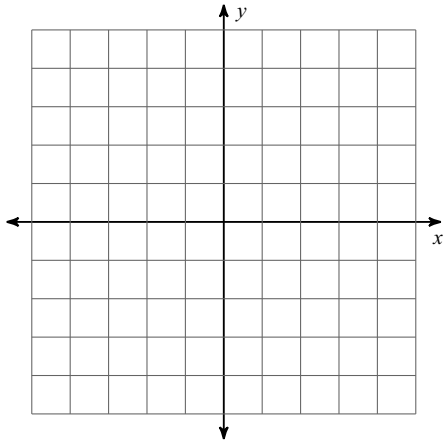
6) dilation of 2.5



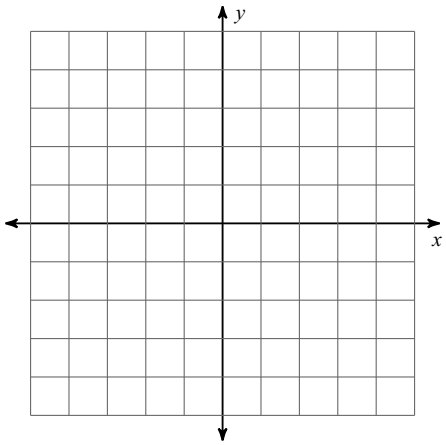
7) dilation of 0.25
$B(-1, -1), X(-1, 1), A(1, 1)$



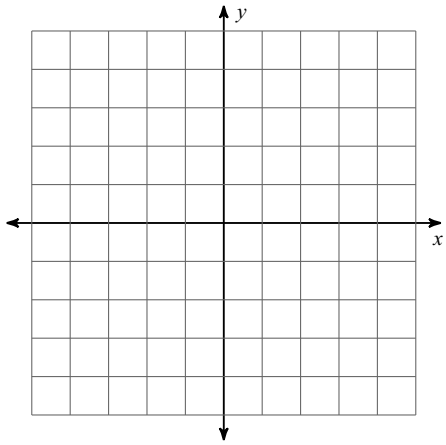
8) dilation of 0.25
$V(-1, -1), A(-1, 0), P(2, 2), Z(1, 0)$



9) dilation of 0.25
$I(-5, -4), K(-2, -1), U(-1, -5)$

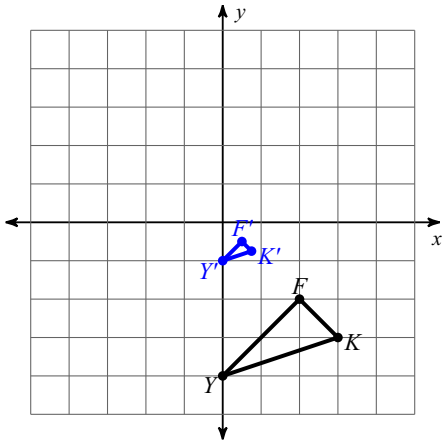


10) dilation of $\frac{1}{4}$
$R(3, 5), F(5, 5), V(3, 3)$

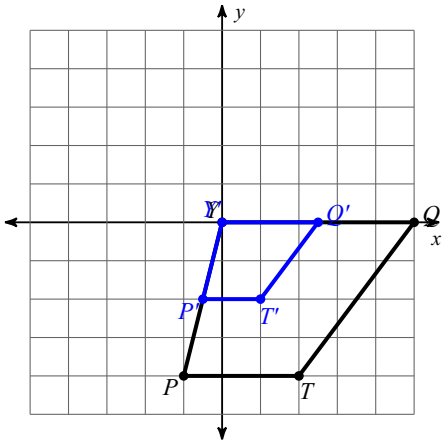


Write a rule to describe each transformation.

11)

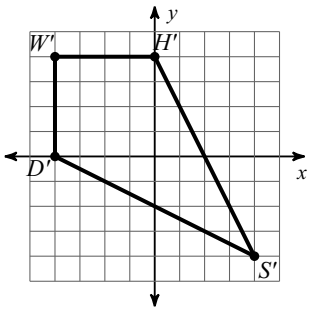


12)

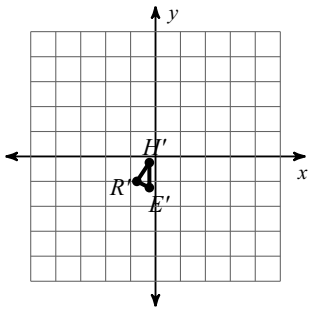


Answers to Dilations (ID: 1)

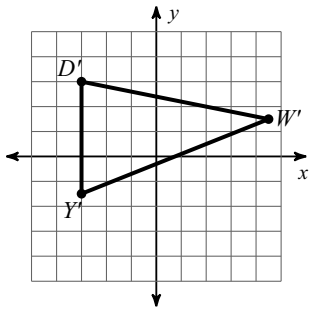
1)



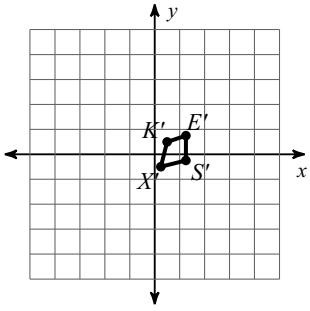
2)



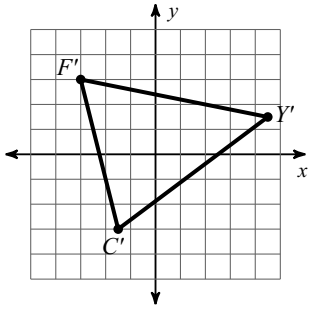
3)



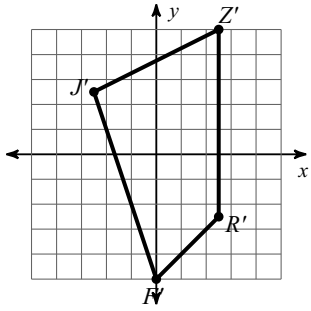
4)



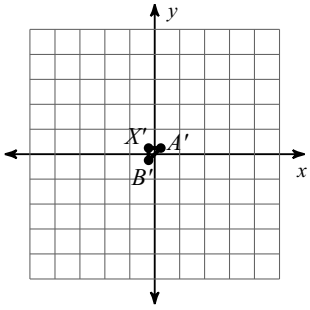
5)



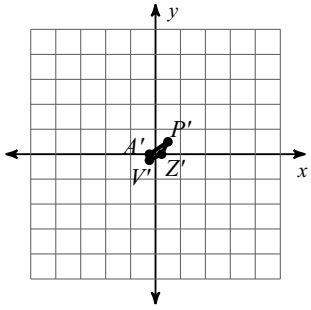
6)



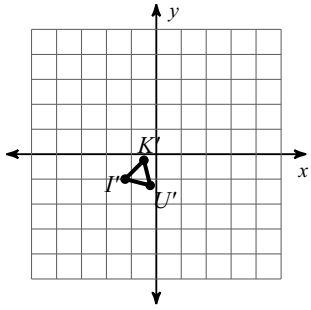
7)



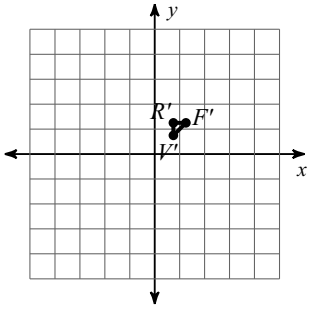
8)



9)



10)



11) dilation of 0.25

12) dilation of 0.5