Geometry Name_____ ID: 1

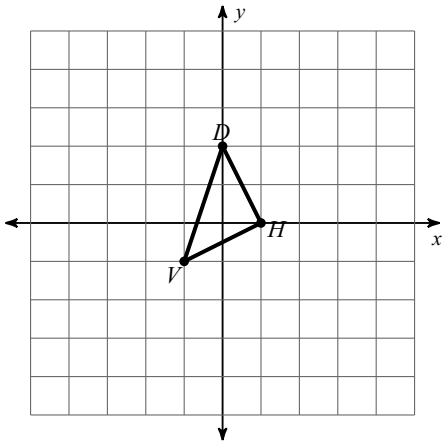
© 2017 Kuta Software LLC. All rights reserved.

Dilations

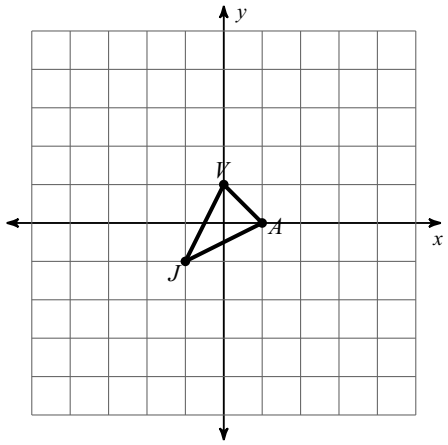
Date_____ Period____

Graph the image of the figure using the transformation given.

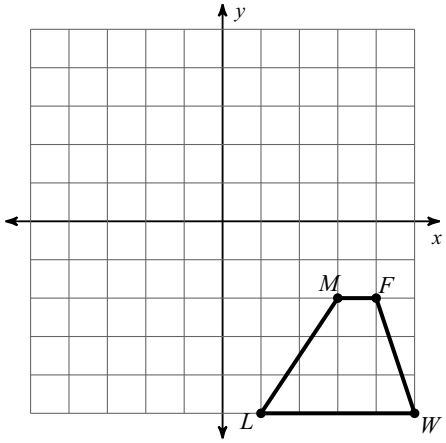
1) dilation of 2



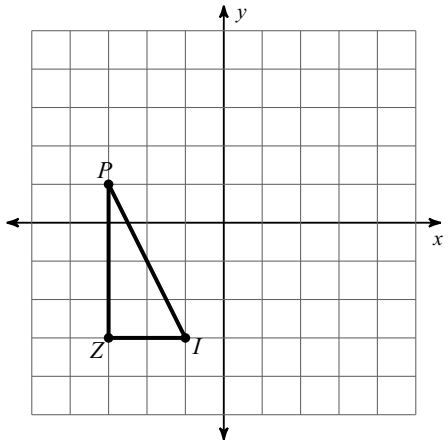
2) dilation of 4



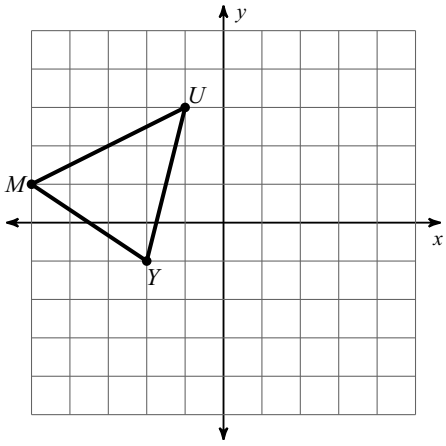
3) dilation of $\frac{1}{2}$



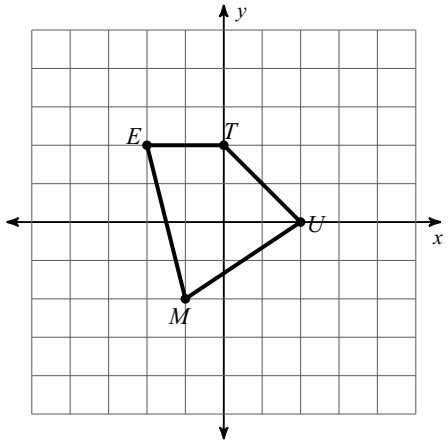
4) dilation of 1.5



5) dilation of $\frac{1}{2}$



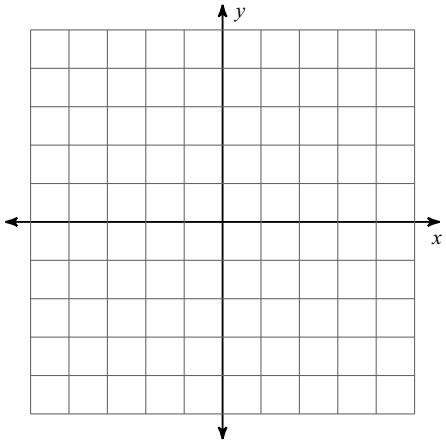
6) dilation of 2



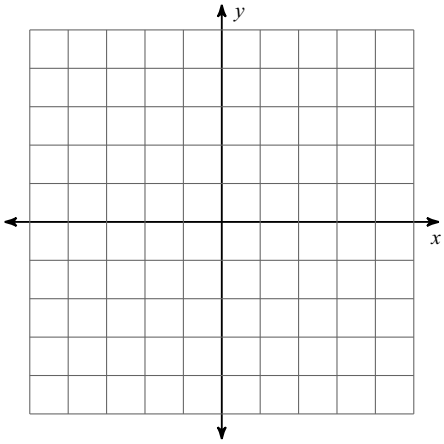
© 2017 Kuta Software LLC. All rights reserved.

Made with Infinite Algebra 2.

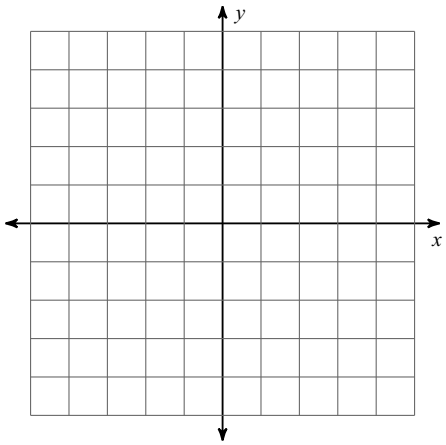
7) dilation of 2
$K(-1, 0)$, $C(1, 2)$, $U(0, -2)$



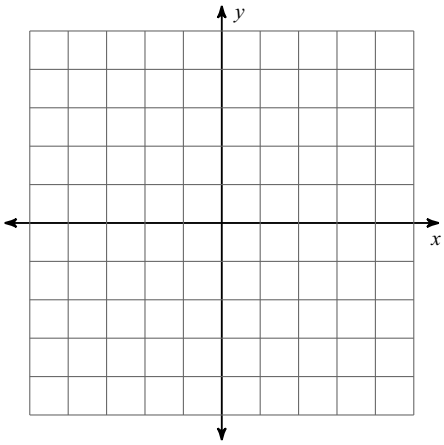
8) dilation of 2.5
$Z(-1, 0)$, $G(0, 2)$, $E(1, 2)$, $W(-1, -1)$



9) dilation of 1.5
$L(-1, -1)$, $K(-2, 1)$, $Q(3, 1)$

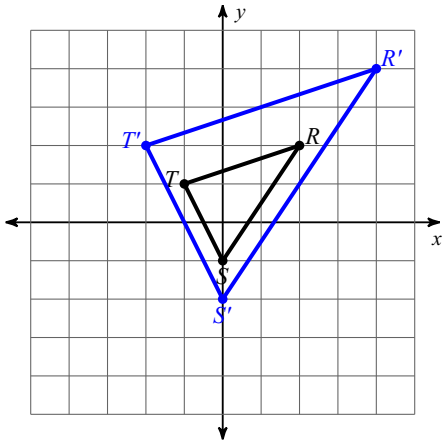


10) dilation of $\frac{1}{4}$
$V(-4, 2)$, $M(-4, 4)$, $S(0, 4)$

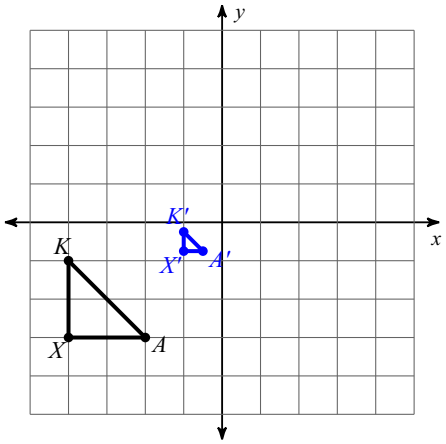


Write a rule to describe each transformation.

11)



12)

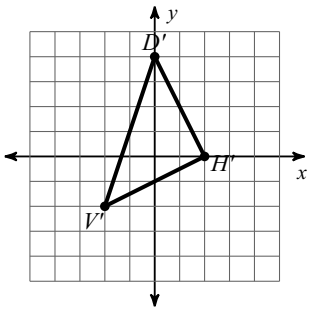


© 2017 Kuta Software LLC. All rights reserved.

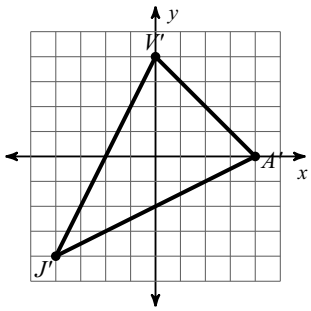
Made with Infinite Algebra 2.

Answers to Dilations (ID: 1)

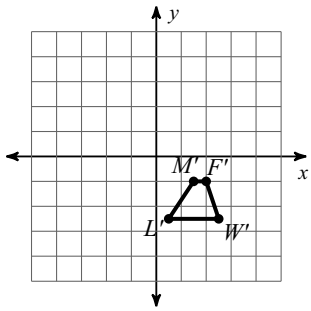
1)



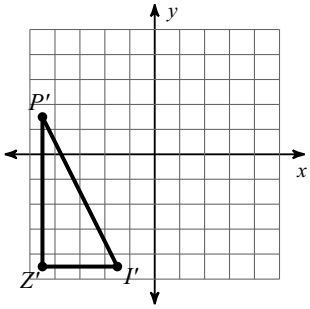
2)



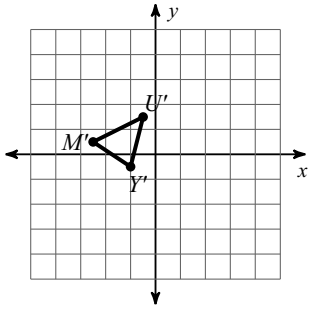
3)



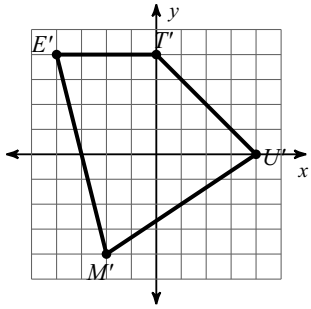
4)



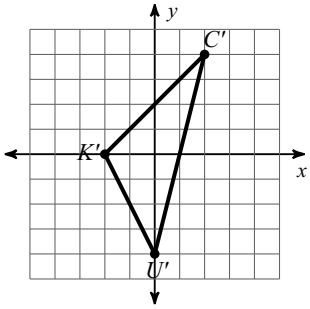
5)



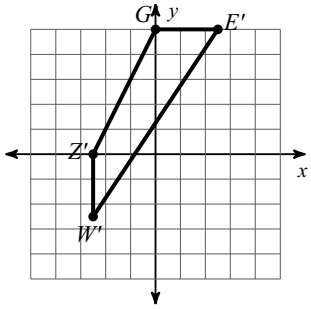
6)



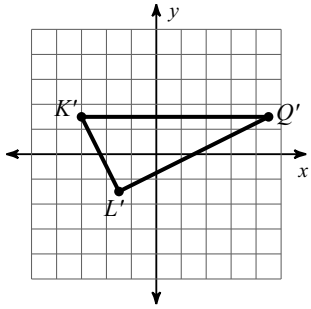
7)



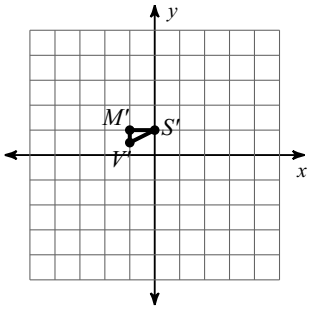
8)



9)



10)



11) dilation of 2

12) dilation of 0.25

© 2017 Kuta Software LLC. All rights reserved.

Made with Infinite Algebra 2.

Geometry Name_____ ID: 2

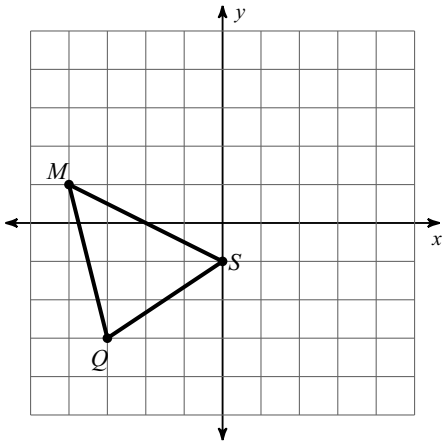
© 2017 Kuta Software LLC. All rights reserved.

Dilations

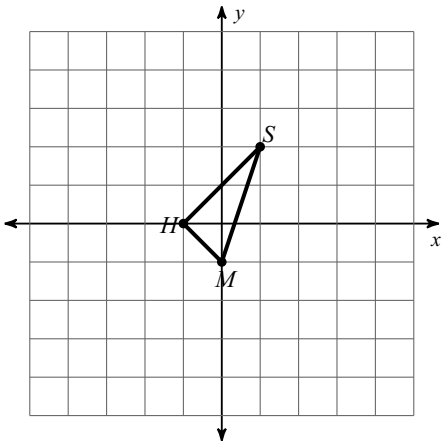
Date_____ Period____

Graph the image of the figure using the transformation given.

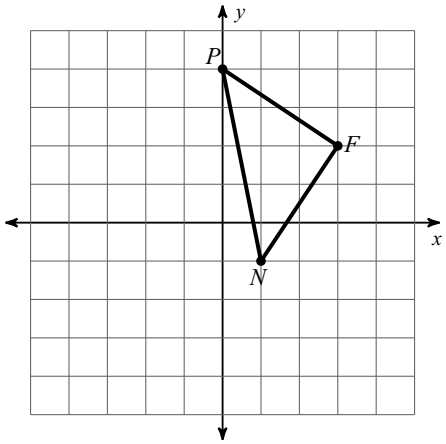
1) dilation of 0.25



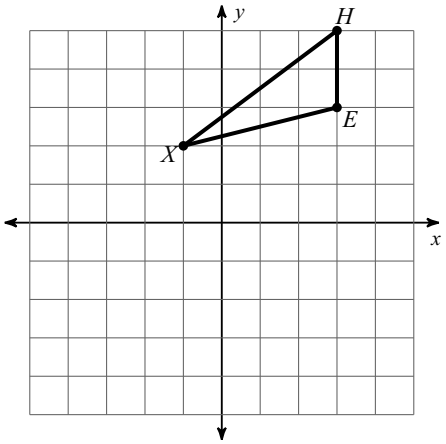
2) dilation of $\frac{5}{2}$



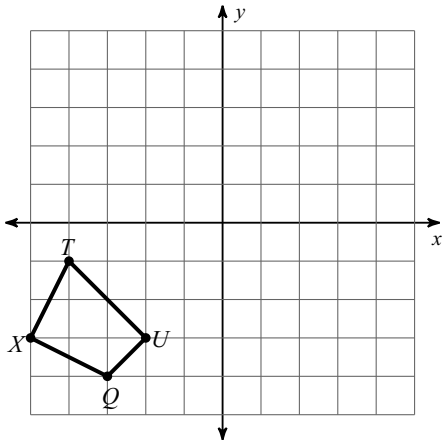
3) dilation of 0.5



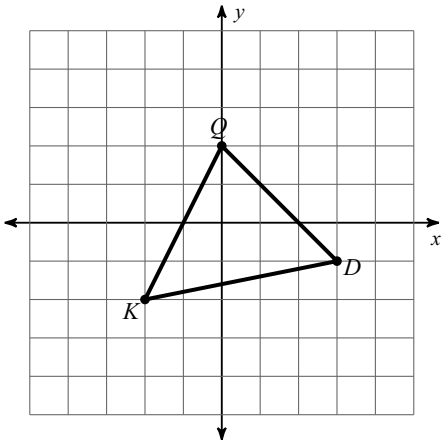
4) dilation of 0.25



5) dilation of 0.5

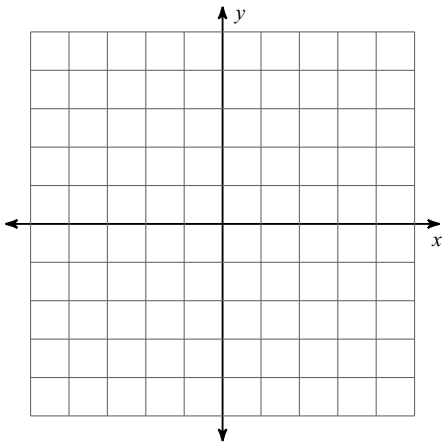


6) dilation of 1.5

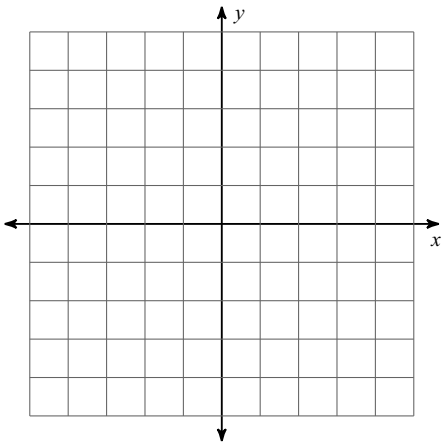


© 2017 Kuta Software LLC. All rights reserved.

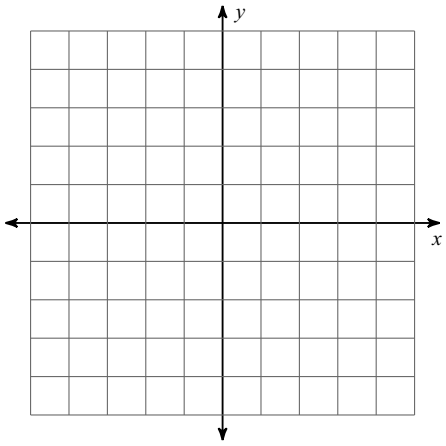
7) dilation of 0.5
$Y(0, -3)$, $Z(1, -1)$, $D(4, -1)$, $L(1, -4)$



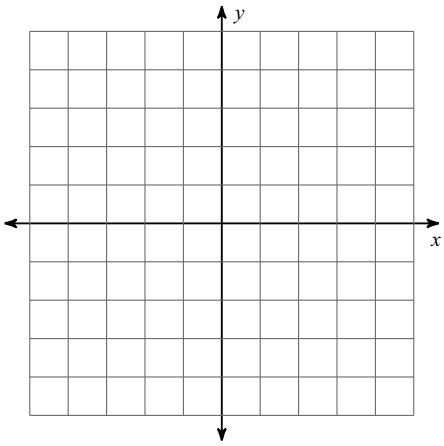
8) dilation of 0.25
$H(0, -3)$, $G(0, 2)$, $U(5, 1)$, $A(5, -1)$



9) dilation of $\frac{1}{2}$
$U(-4, 2)$, $L(-3, 5)$, $X(-1, 5)$

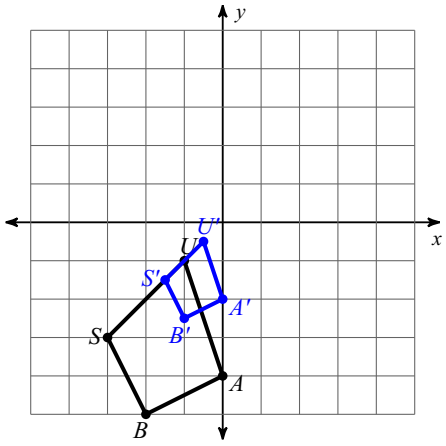


10) dilation of 1.5
$A(-2, 0)$, $G(-2, 1)$, $M(2, 3)$, $U(1, -2)$

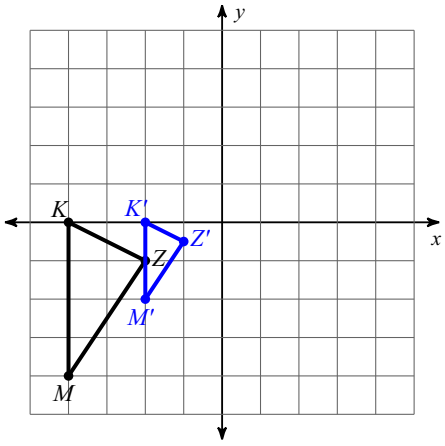


Write a rule to describe each transformation.

11)



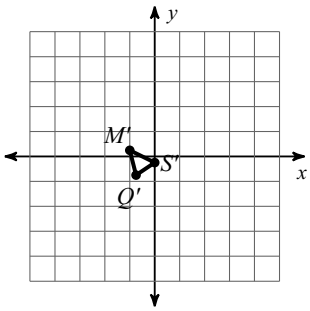
12)



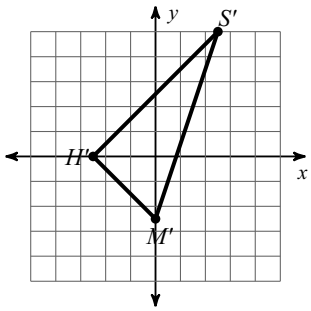
© 2017 Kuta Software LLC. All rights reserved. Made with Infinite Algebra 2.

Answers to Dilations (ID: 2)

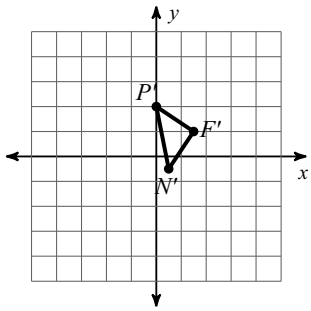
1)



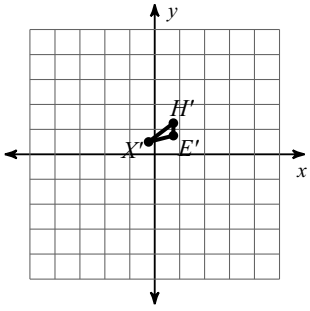
2)



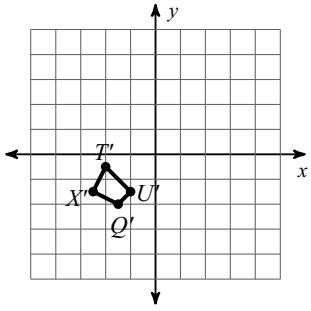
3)



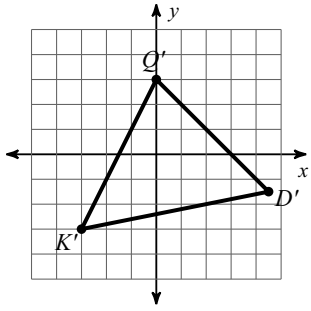
4)



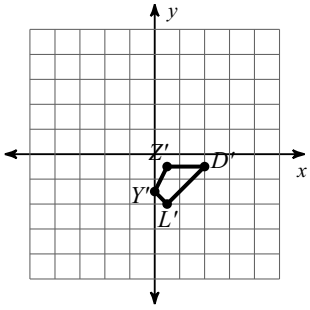
5)



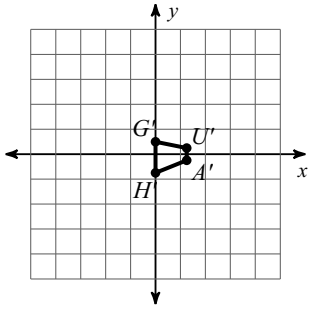
6)



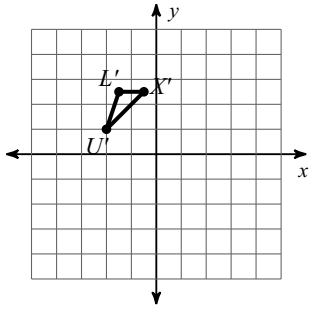
7)



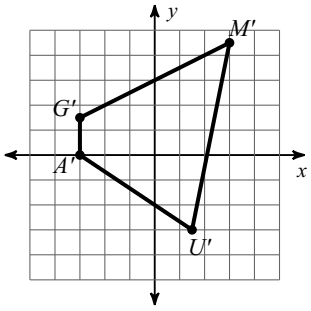
8)



9)



10)



11) dilation of $\frac{1}{2}$

12) dilation of 0.5

© 2017 Kuta Software LLC. All rights reserved.

Made with Infinite Algebra 2.