

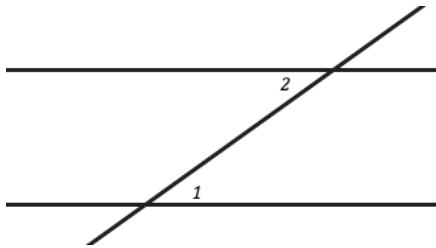
READY, SET, GO! Name _____ Period _____ Date _____

READY

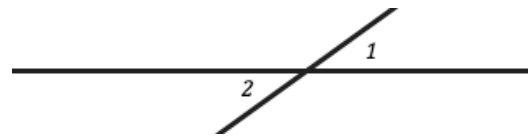
Topic: Basic angle relationships

Match the diagrams below with the best name or phrase that describes the angles.

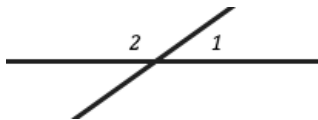
_____ 1.



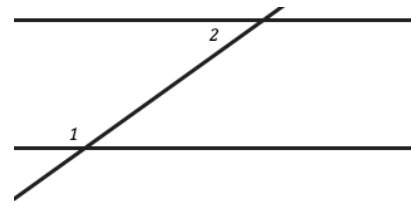
_____ 2.



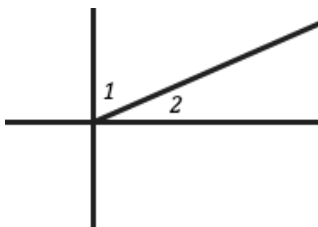
_____ 3.



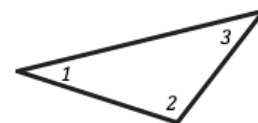
_____ 4.



_____ 5.



_____ 6.



a. Alternate Interior Angles

b. Vertical Angles

c. Complementary Angles

d. Triangle Sum Theorem

e. Linear Pair

f. Same Side Interior Angles

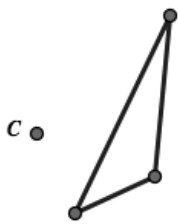
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SET

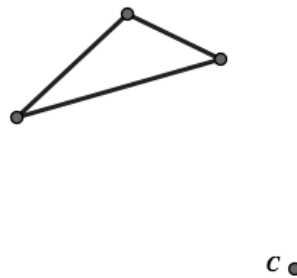
Topic: Performing mathematical dilations and finding the center of dilations.

Use the given pre-image and point C as the center of dilation to perform the dilation that is indicated below.

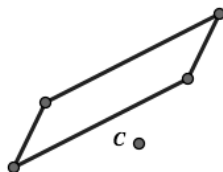
7. Create an image with side lengths twice the size of the given triangle.



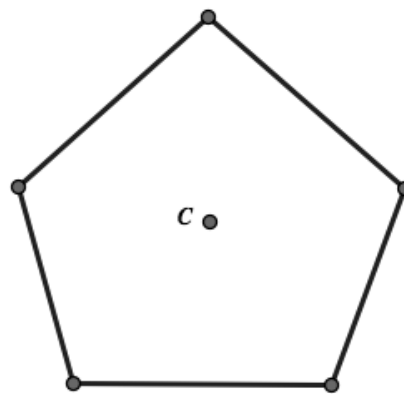
8. Create an image with side lengths half the size of the given triangle.



9. Create an image with side lengths three times the size of the given parallelogram.



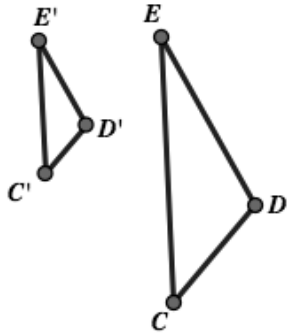
10. Create an image with side length one fourth the size of the given pentagon.



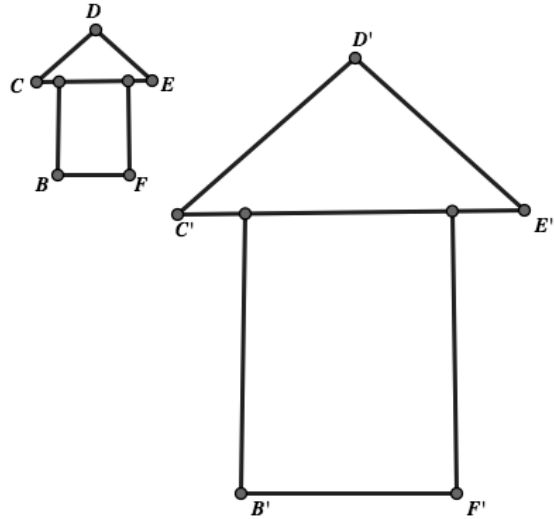
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Use the given pre-image and image in each diagram to define the dilation that occurred. Include as many details as possible such as the center of the dilation and the ratio.

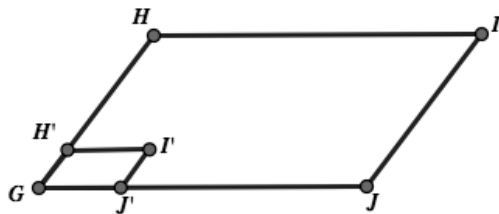
11.



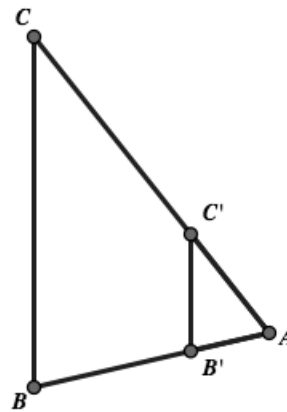
12.



13.



14.



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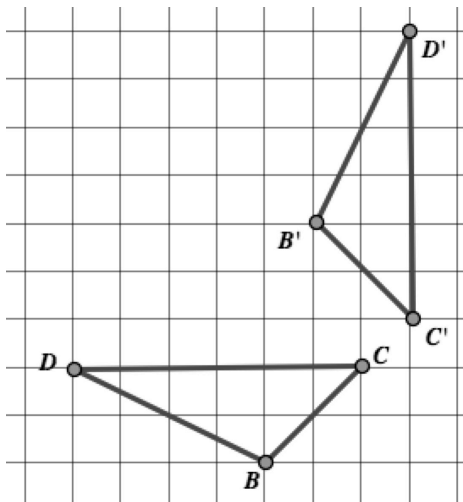
GO

Topic: Classifying mathematical transformations.

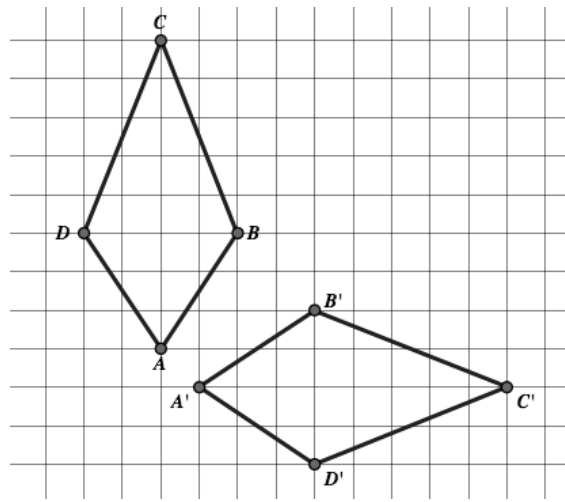
Based on the given image and pre-image determine the transformation that occurred. Further, prove that the transformation occurred by showing evidence of some kind.

(For example, if the transformation was a reflection show the line of reflection exists and prove that it is the perpendicular bisector of all segments that connect corresponding points from the image and pre-image. Do likewise for rotations, translations and dilations.)

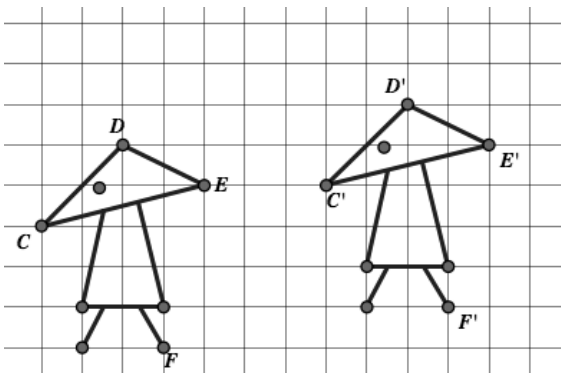
15.



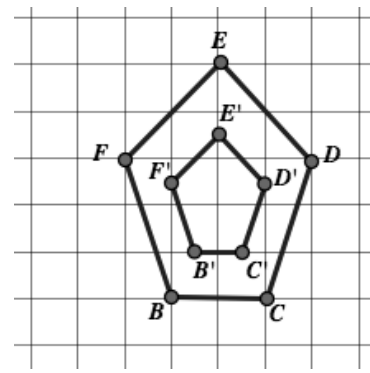
16.



17.



18.



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