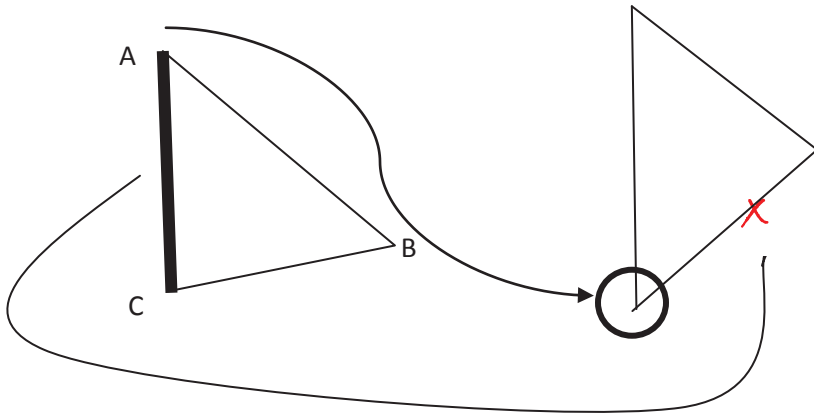


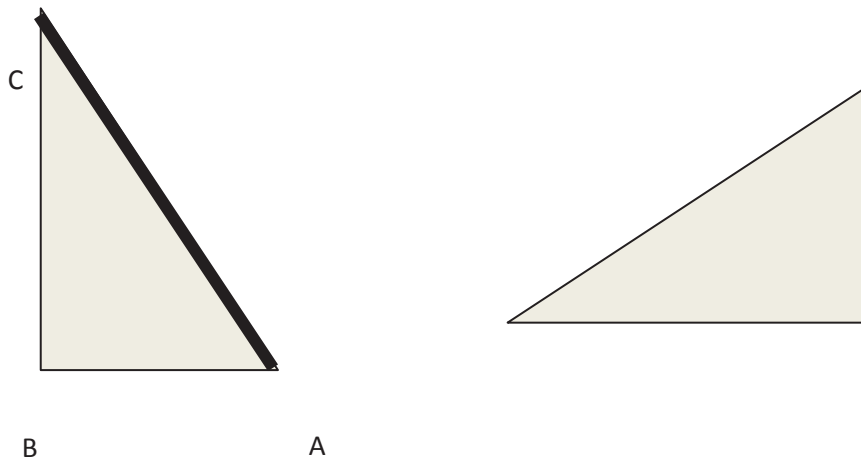
Flipping and Moving Shapes

Directions: The following pairs of shapes are congruent to one another, but have been flipped, turned, or just moved. Decide how to move the second object so it is oriented just like the first. Then you will know which sides and which angles should be the same. If you need help, try cutting out one of the shapes and then move or flip it to fit the other shape.

Example: In the triangle on the right, circle the angle that is the same as angle A. Put an x on the side of the triangle on the right that is the same as the highlighted side of the first triangle.

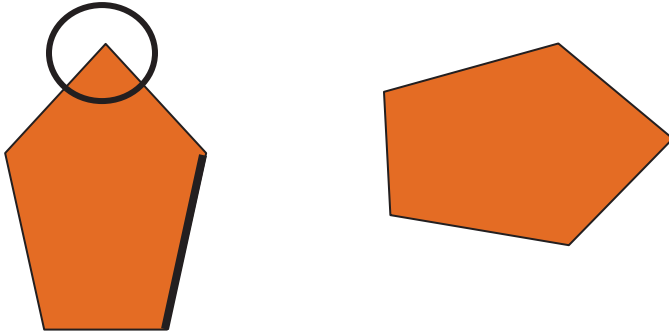


Pair 1: In the triangle on the right, circle the angle that is the same as angle A. Put an x on the side of the triangle on the right that is the same as the highlighted side of the first triangle.



Flipping and Moving Shapes

Pair 2: In the pentagon on the right, circle the angle that is the same as the circled angle in the first pentagon. Put an x on the side of the pentagon on the right that is the same as the highlighted side of the first pentagon.



Pair 3: In the polygon on the right, circle the angle that is the same as the circled angle in the first polygon. Put an x on the side of the polygon on the right that is the same as the highlighted side of the first polygon.

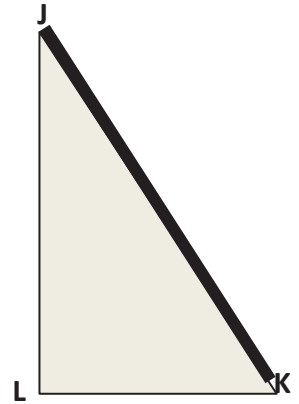


Pair 4: In the polygon on the right, circle the angle that is the same as the circled angle in the first polygon. Put an x on the side of the polygon on the right that is the same as the highlighted side of the first polygon.

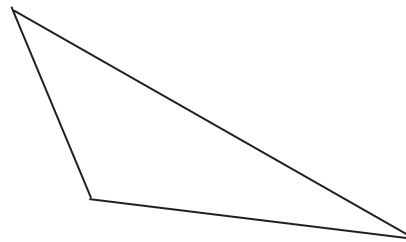
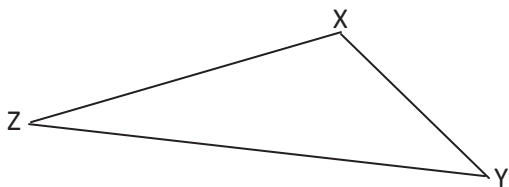


Flipping and Moving Shapes

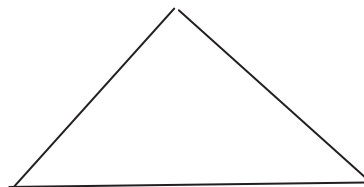
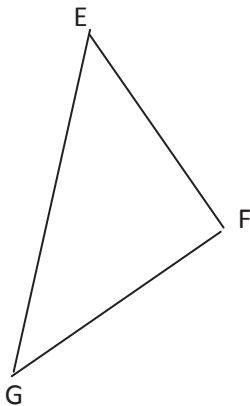
Geometry Notation: *The sides of polygons are sometimes named based on the angles that they connect to. In the triangle on the right, the highlighted side is called side JK because one end of the side is at angle J and the other end is at angle K. See if you can use this information as you look at the following situations.*



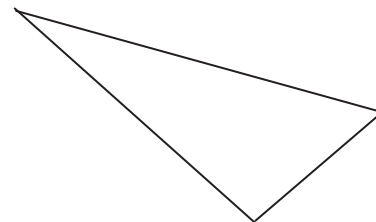
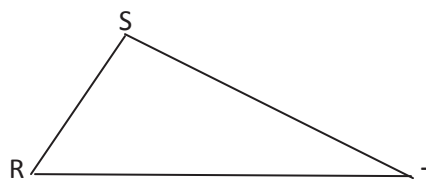
Pair 5: In the triangle on the right, circle the angle that is the same as angle Z. Put an x on the side of the triangle on the right that is the same as side ZX.



Pair 6: In the triangle on the right, circle the angle that is the same as angle G. Put an x on the side of the triangle on the right that is the same as side EF.



Pair 7: In the triangle on the right, circle the angle that is the same as angle S. Put an x on the side of the triangle on the right that is the same as side RT.



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