

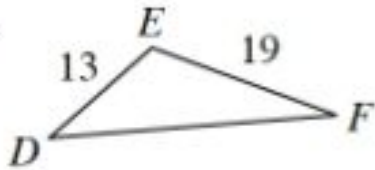
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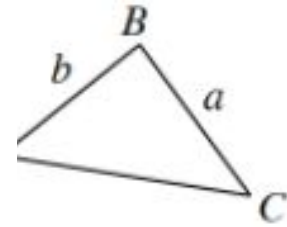
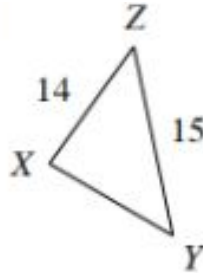
Triangle Inequality Homework

1. Determine the minimum and maximum limits for each missing side length in the triangles below.

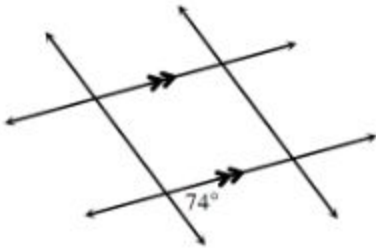
a.



b.



2. Examine the diagram below. Based on the information in the diagram, which angles can you determine? Copy the diagram on your paper and find *only* those angles that you can justify.



3. Draw a right triangle with legs of length 6 and 8 units, respectively, onto graph paper. Construct a square on the hypotenuse and use the square's area to find the length of the hypotenuse.