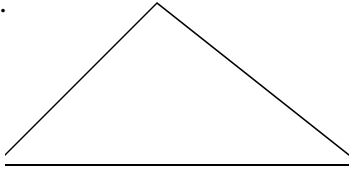


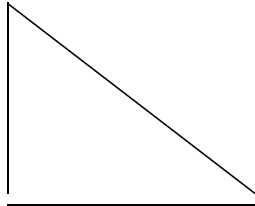
Exercises

1. Given the triangles below, place each in one or more of the categories:
Equilateral, Isosceles, Scalene, Obtuse, Right or Acute

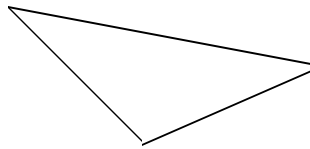
a.



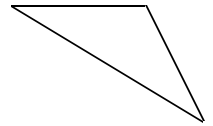
b.



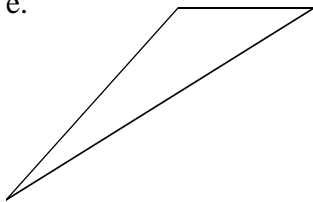
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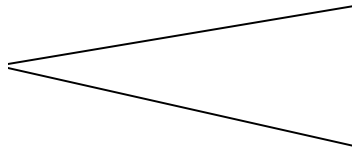
d.



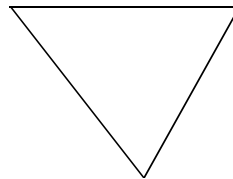
e.



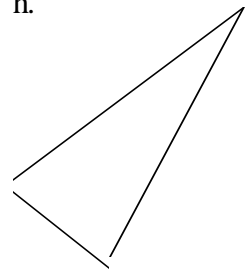
f.



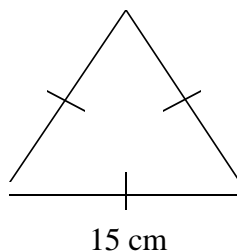
g.



h.



2. What is the area of the equilateral triangle which is drawn below?



3. Three angles of a triangle are defined as follows: The first angle is 18.7° more than the second. The third angle is 15 times greater than the first angle reduced by 15.1° . What are the angles? (Leave your answer in tenths.)
4. Are there any other geometric figures besides a triangle which has a rigid configuration? Explain your answer in sentences.
5. With toothpicks, create a complex truss.