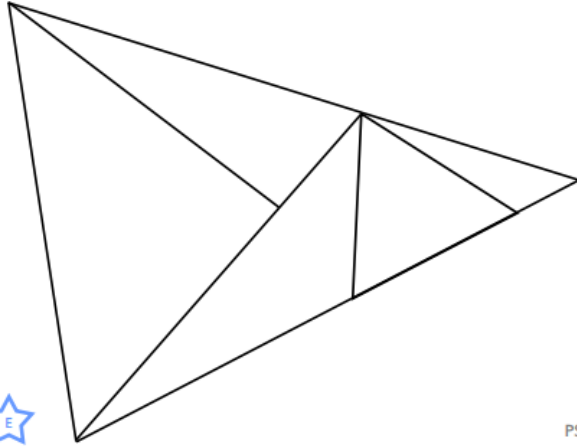
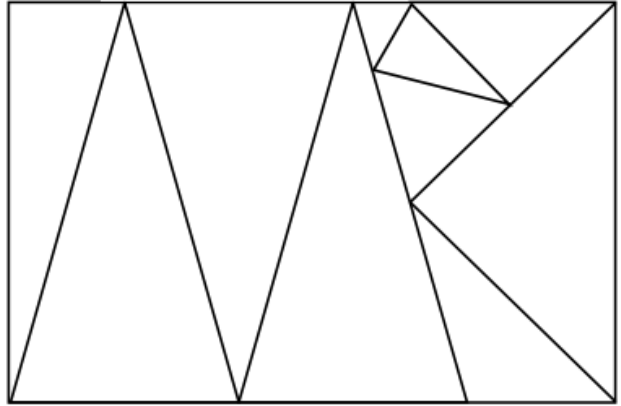


## Reasoning and Problem Solving – Triangles

Which triangles in this image are scalene? Use a ruler to help.



Which triangles in this image are isosceles? Use a ruler to help.



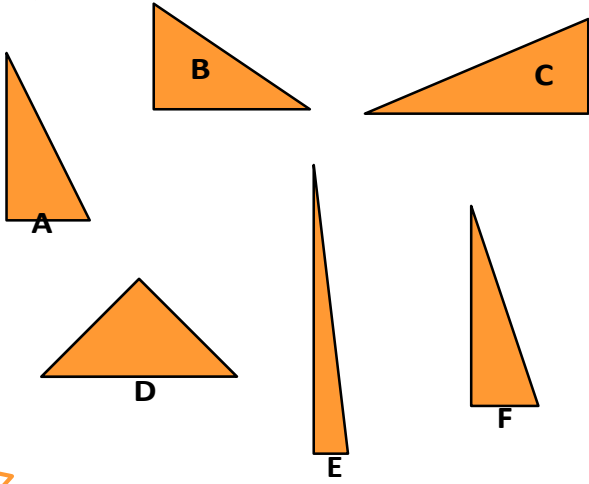
Are these statements always, sometimes or never true?

1. An isosceles triangle has two equal sides and two right angles.
2. A scalene triangle has no equal sides and a right angle.
3. An equilateral triangle has three equal angles of  $90^\circ$ .
4. A scalene triangle has two equal angles and two equal sides.

Are these statements always, sometimes or never true?

1. A scalene triangle has an angle of  $32^\circ$ ,  $64^\circ$  and  $85^\circ$ .
2. An equilateral triangle has one right angle and two  $60^\circ$  angles.
3. An isosceles triangle has two equal sides and two equal angles.
4. An isosceles triangle has two sides longer than the third side.

Which triangle is the odd one out?  
Why?



Which triangle is the odd one out? Why?

