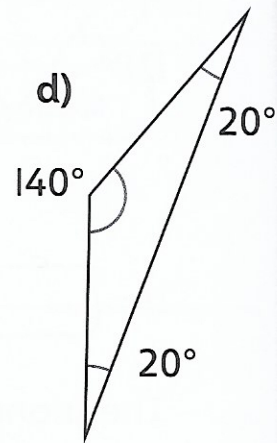
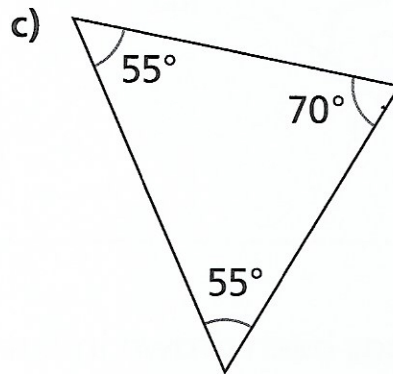
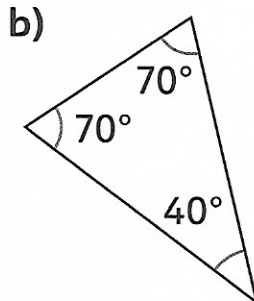
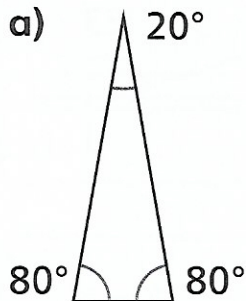
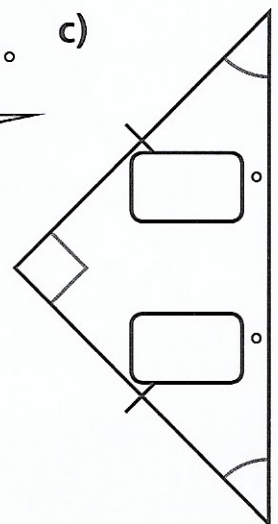
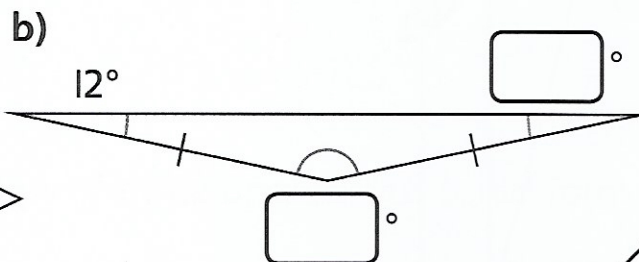
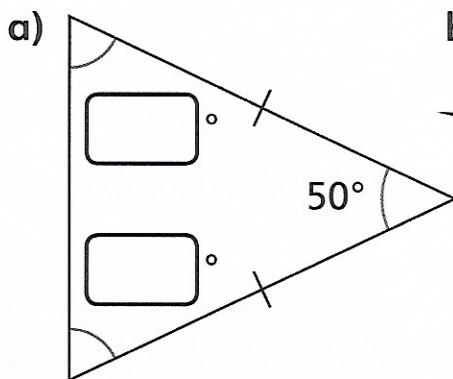


# Angles in triangles 3

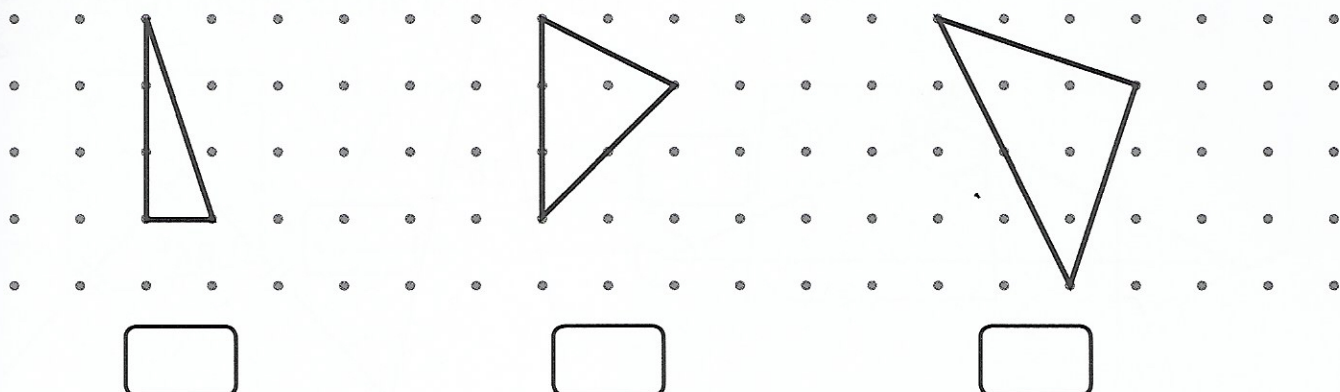
- 1 Use the information about the angles to mark the equal lengths, using the correct notation.



- 2 Calculate the missing angles in each triangle below.



- 3 Tick the isosceles triangle and mark both the equal lengths and the equal angles.



- 4 Amelia draws an isosceles triangle. One of her angles is  $56^\circ$ .  
Bella draws an isosceles triangle. One of her angles is  $156^\circ$ .  
What are the other two angles in each of the triangles?



There are two solutions to mine.

Amelia

There must be two solutions to mine too.

Bella



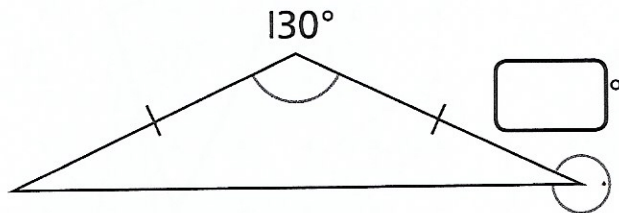
Do you agree with them? How many solutions can you find?  
Explain your answer using diagrams with correct markings.



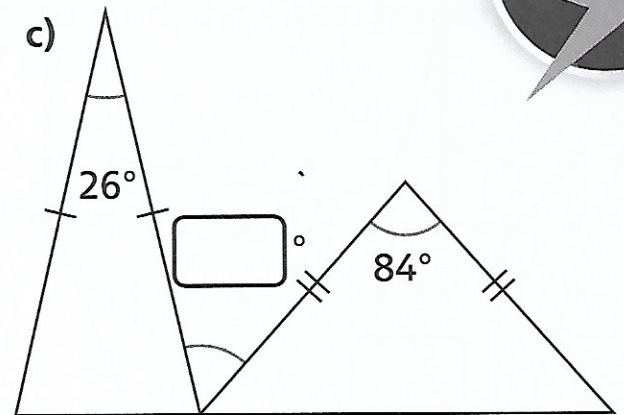


5 Calculate all of the missing angles below.

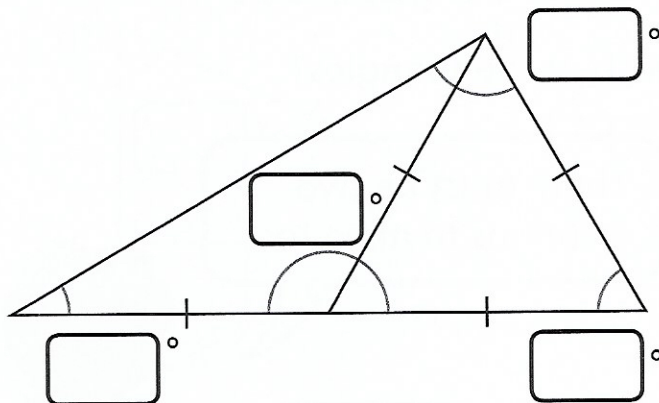
a)



c)



b)



## Reflect

Create a missing angle problem involving isosceles triangles.

