Extra Challenge Tuesday 9th June.

1.

Amir says,

My triangle has two 90° angles.

Can Amir be correct? Can you demonstrate this?

2.

Eva says,

My triangle is a scalene triangle. One angle is obtuse. One of the angles measures 56°
The obtuse angle is three times the smallest angle.

Work out the size of each of the angles in the triangle.

3.

Alex

My angles are 70°, 70° and 40°

Mo

My angles are 45°, 45° and 90°

Eva

My angles are 60°, 60° and 60°

What type of triangle is each person describing?
Explain how you know.

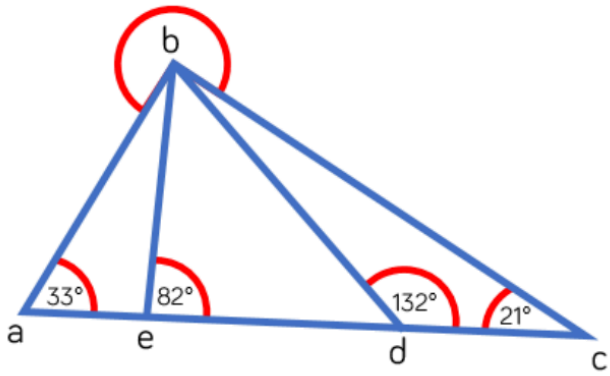
4.

I have an isosceles triangle.
One angle measures 42 degrees.

What could the other angles measure?

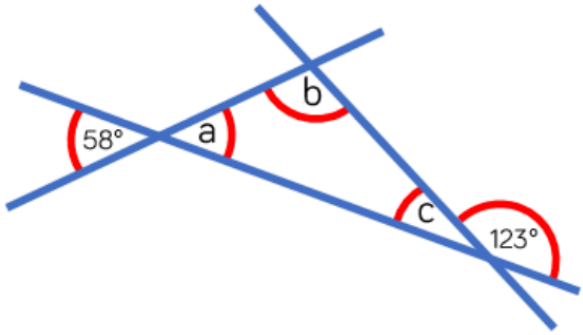
5.

Calculate the size of the reflex angle b.



6.

Calculate the size of angles a, b and c.



Give reasons for all of your answers.