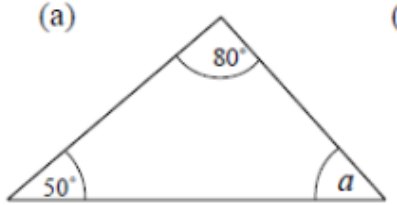
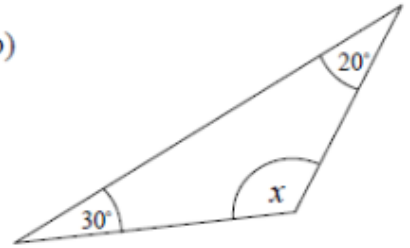
Sheet 1

1. Find the size of the angles marked with a letter in each diagram.

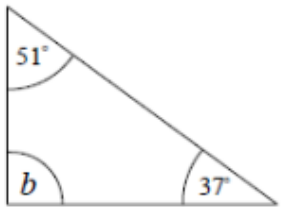
(a)



(b)



(c)



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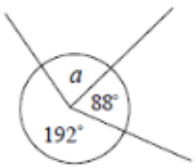

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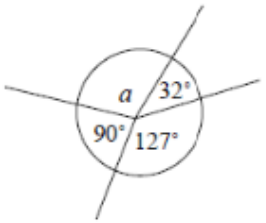

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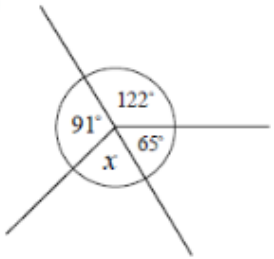

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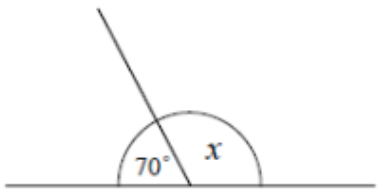

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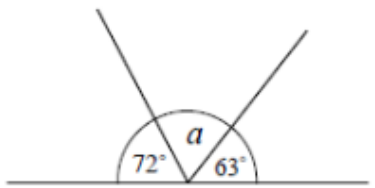
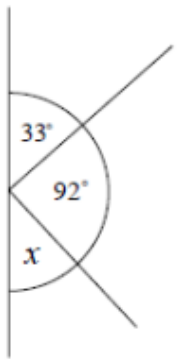


(i)



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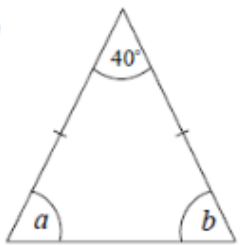

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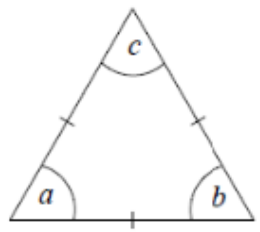

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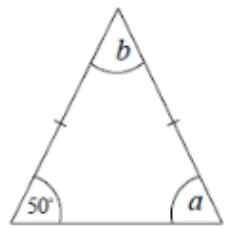

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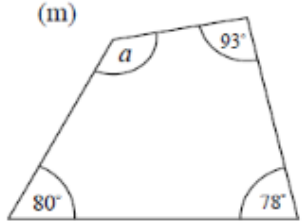

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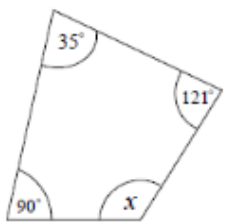
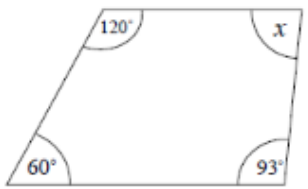


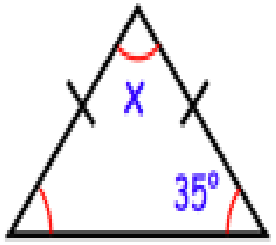
(o)



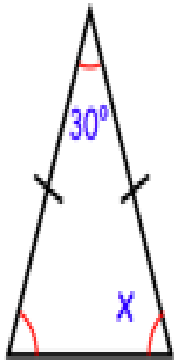
Sheet 2

Question 2: Find the size of each missing angle.

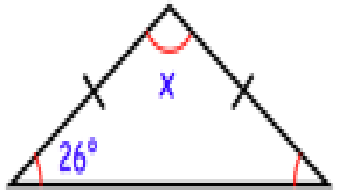
(a)



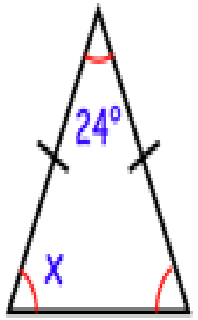
(b)



(c)



(d)



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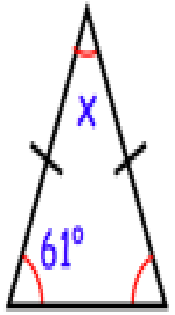
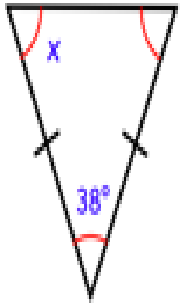
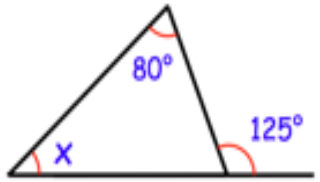


(f)



Question 4: Find the size of each missing angle.

(a)



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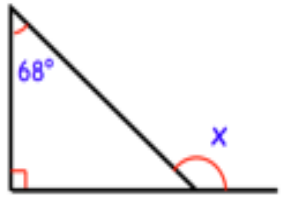

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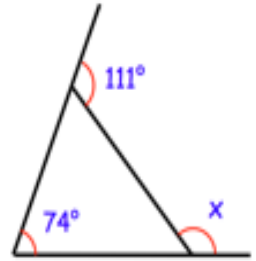

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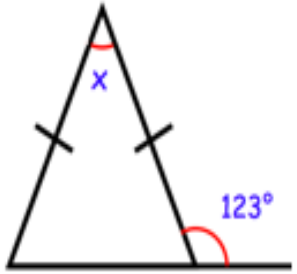

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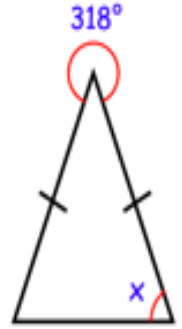

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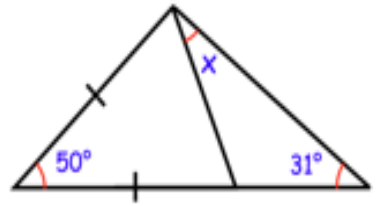

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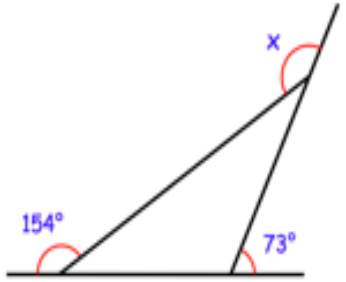

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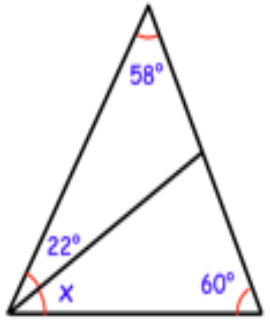

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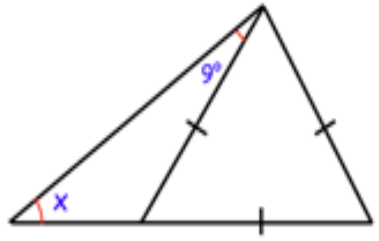
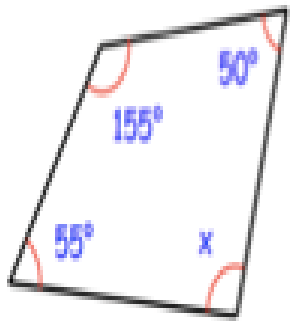


Sheet 3

Question 1: Find the size of each missing angle.

(a)



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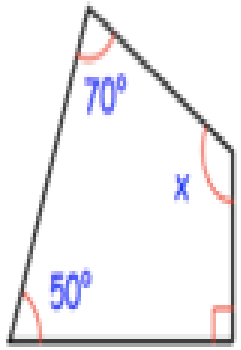

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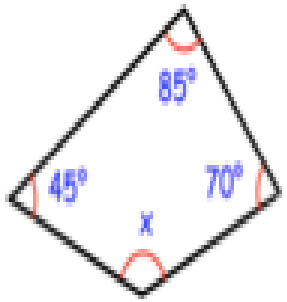

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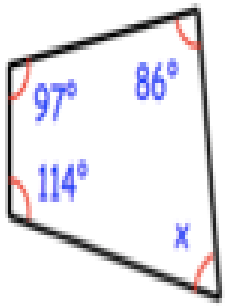

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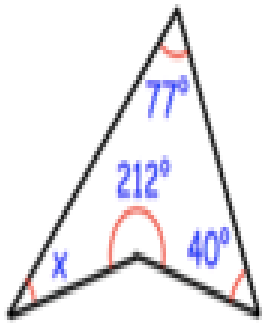

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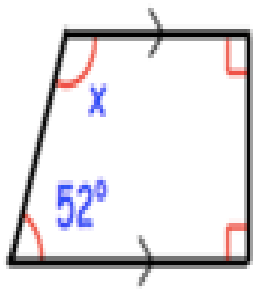


Question 1: Jacob has measured the three angles in a triangle.
Two of his measurements are 45°and 70°
What is the third measurement?

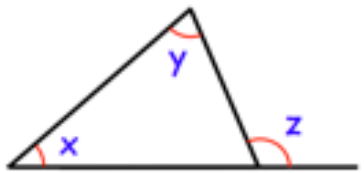
Question 2: James says that a triangle is right angled.
Olivia says that the same triangle is isosceles.
They are both correct.
Explain how.

Question 3: The ratio of three angles in a triangle are 1:2:3.
Work out the size of each angle.

Question 4: An isosceles triangle has one angle of 52°.
Write down the possible sizes of the other two angles in the triangle.

Pair 1 ..... and .....
Pair 2 ..... and .....

Question 5: Show the sum of angles x and y is always equal to angle z



Question 6: The ratio of angles in a triangle is 2:3:5
Find the size of the smallest angle.

Question 7: Find the size of each angle