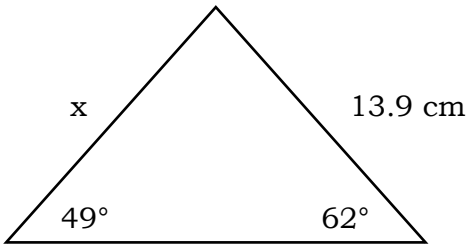
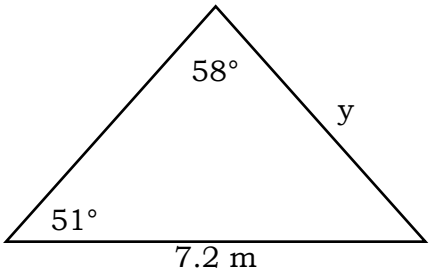
**SINE AND COSINE RULES – PRACTICE QUESTIONS**

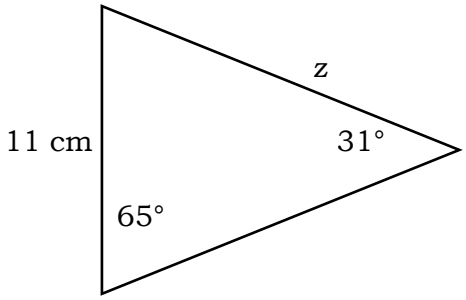
1.
Use sine rule to find x to 1 decimal place.



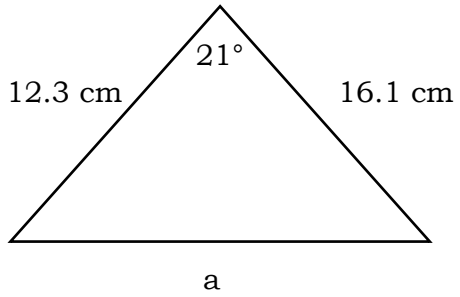

2.
Use sine rule to find y to 1 decimal place.



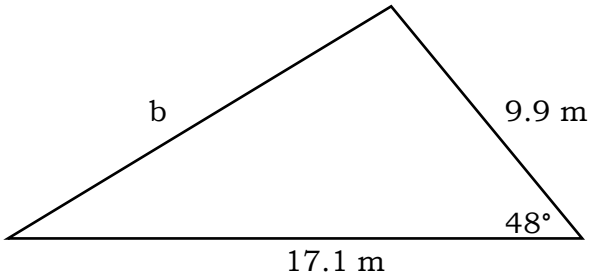

3.
Use sine rule to find z to 2 significant figures.



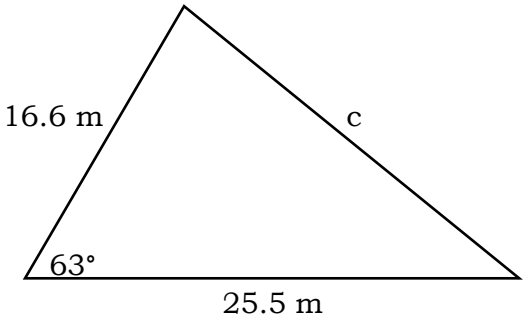
4.
Use cosine rule to find a to the nearest centimetre.



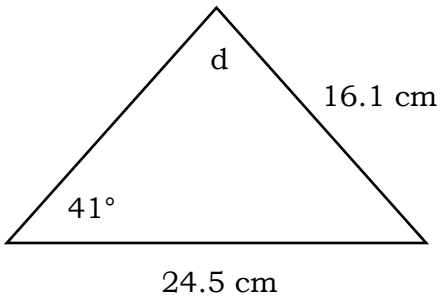

5.
Use cosine rule to find b to 3 significant figures.



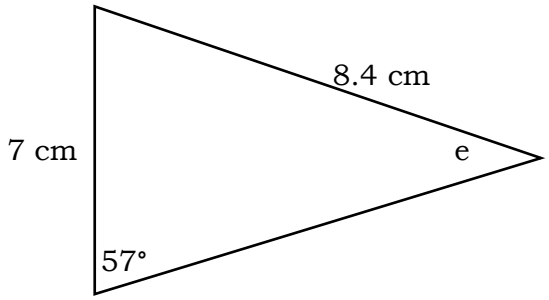

6.
Use cosine rule to find c to 2 decimal places.



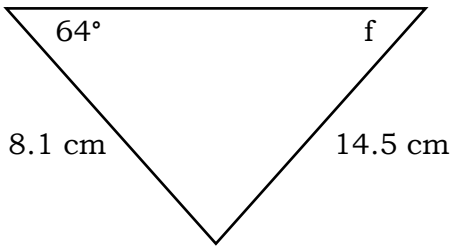
7.
Use sine rule to find d to 2 significant figures.



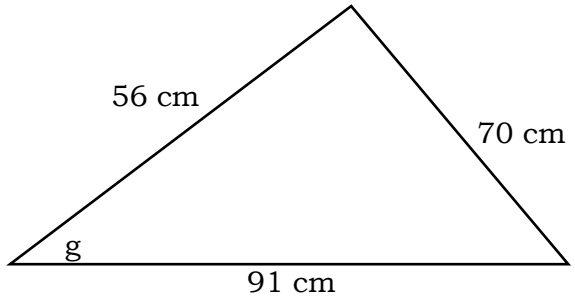

8.
Use sine rule to find e to the nearest degree.



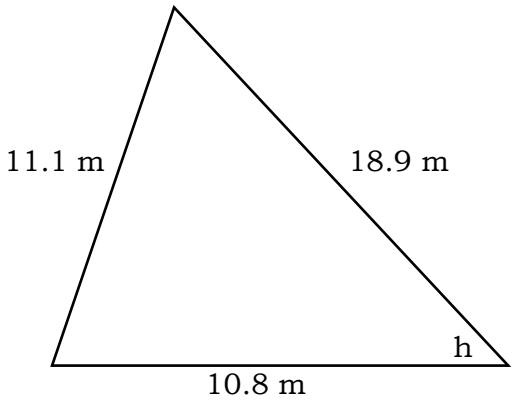

9.
Use sine rule to find f to 2 significant figures.



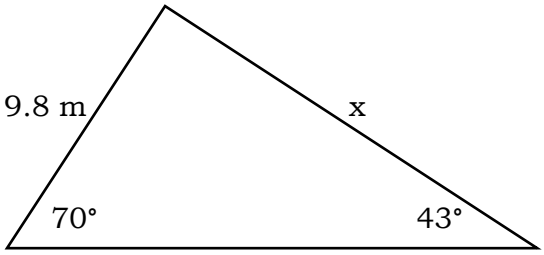
10.
Use cosine rule to find g to 2 significant figures.



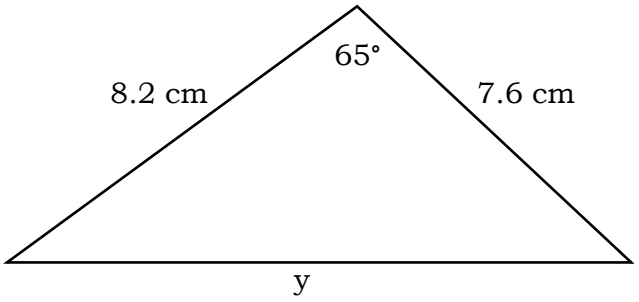

11.
Use cosine rule to find h to 2 significant figures.



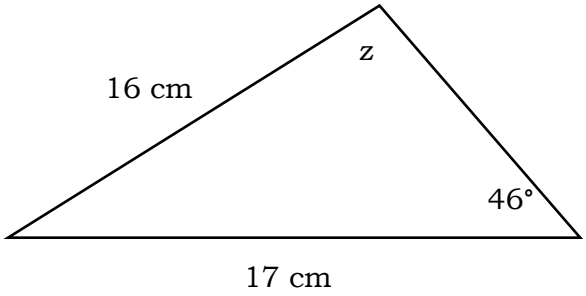
12.
Find x to 3 significant figures.



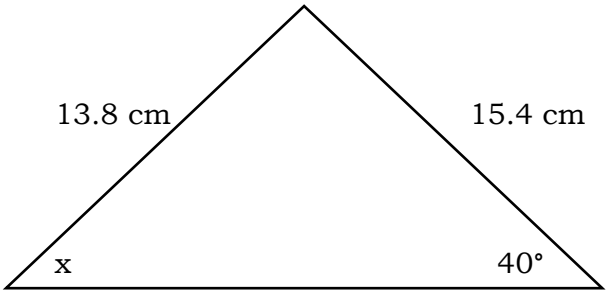

13.
Find y to 1 decimal place.



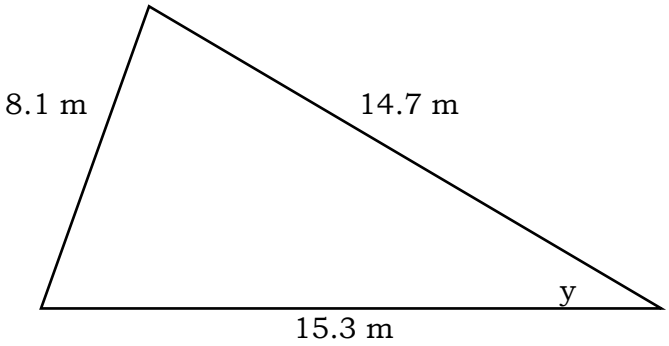

14.
Find z to 1 decimal place.



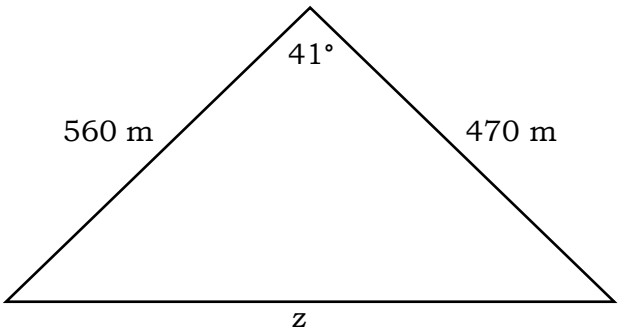
15.
Find x to 3 significant figures.



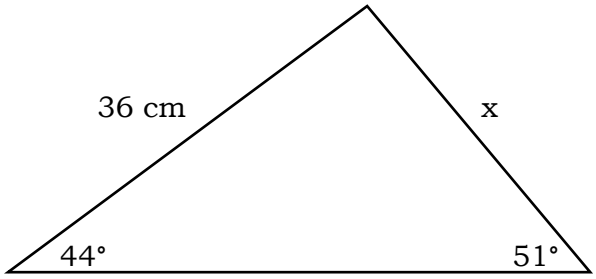

16.
Find y to 1 decimal place.



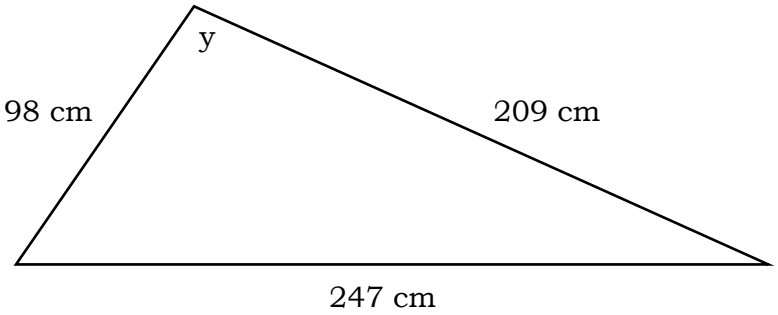

17.
Find z to 2 significant figures.



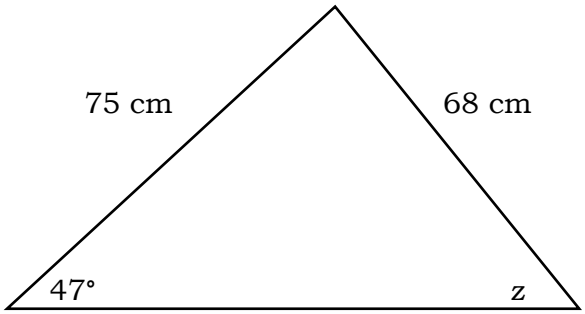
18.
Find x to 3 significant figures.



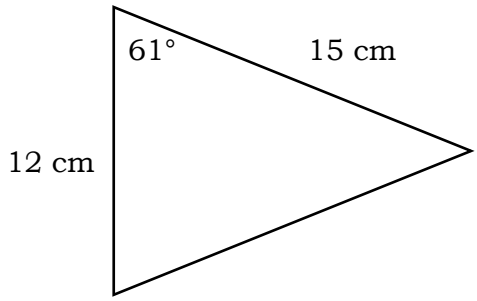

19.
Find y to 3 significant figures.



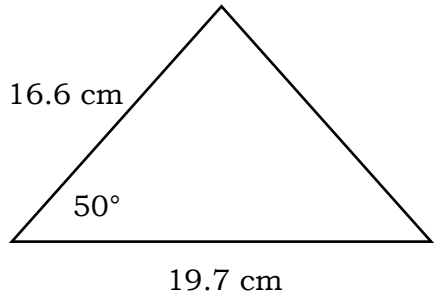

20.
Find z to 2 significant figures.



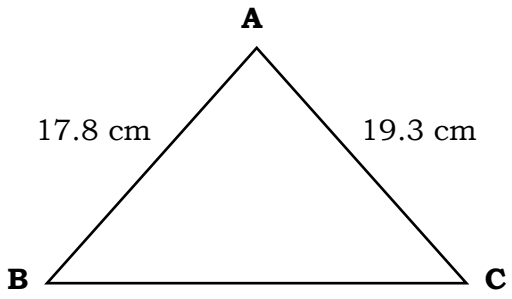
21.
Find the area of the triangle. Give your answer to 3 significant figures.



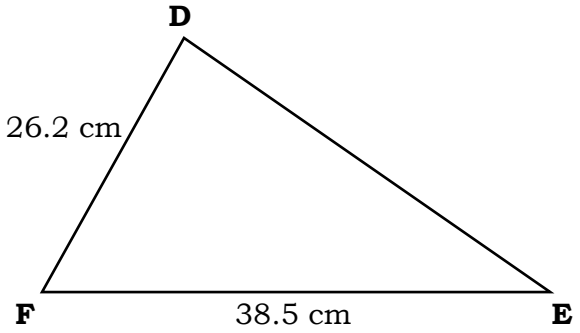

22.
Find the area of the triangle. Give your answer to the nearest square centimetre.



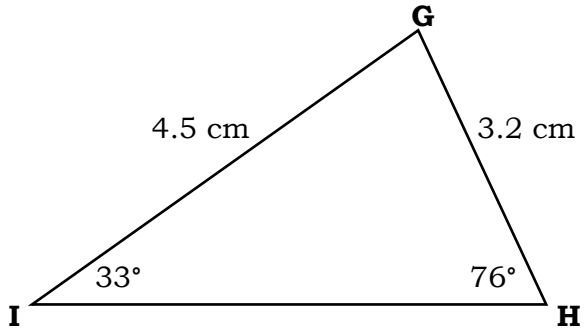

23.
ABC is a triangle.
The area of ABC is 96 $cm^2$.
Find the size of angle BAC to the nearest unit.



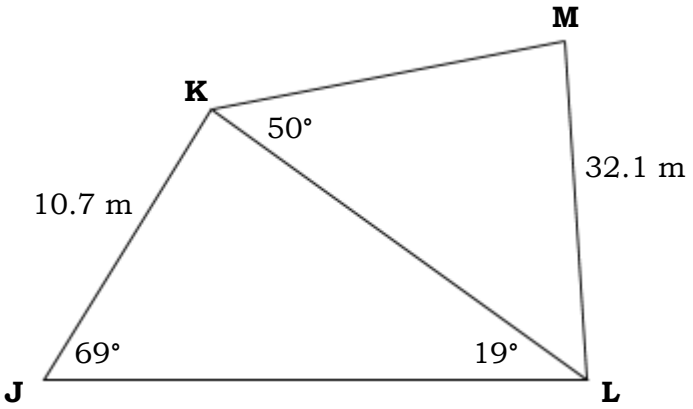
24.
DEF is a triangle, with an area of 225 $cm^2$.
Find the size of angle DFE. Give your answer to 2 significant figures.



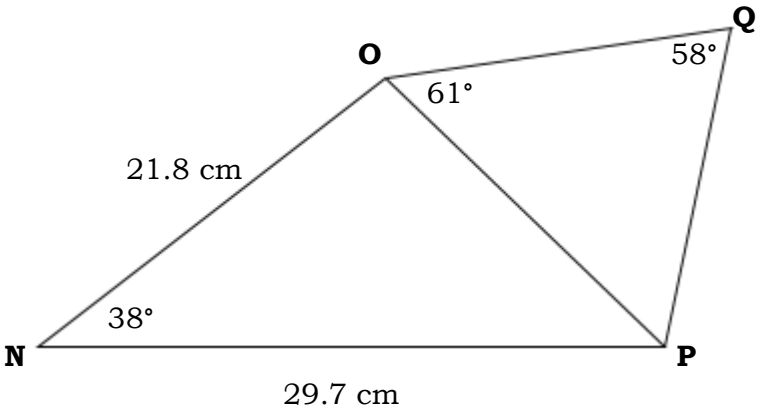

25.
Find the area of triangle GHI.
Give your answer to the nearest square centimetre.




26.
JKL and KML are triangles.
Find the size of the angle KML. Give your answer to 2 significant figures.



27.
NOP and OQP are triangles.
Find the size of QP, to 3 significant figures.




28.
Find the area of the triangle. Give your answer to the nearest square centimetre.