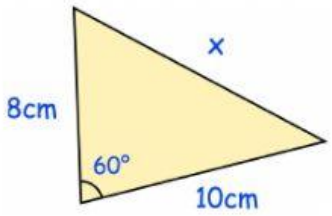
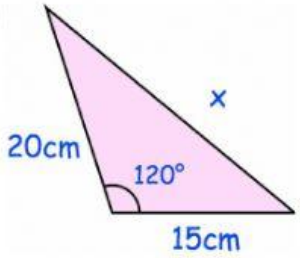
Cosine Rule

Question 1: Find x for each of the triangles below.

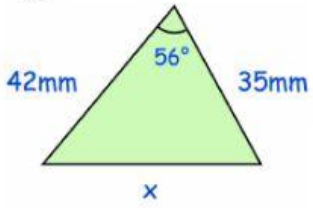
(a)



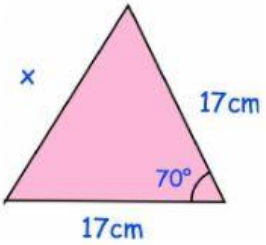
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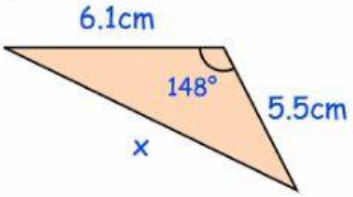
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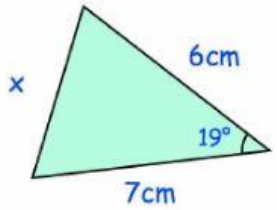
(d)



(e)



(f)

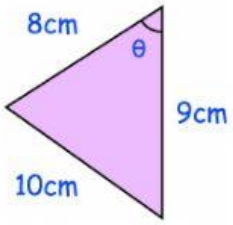


LIVEWORKSHEETS

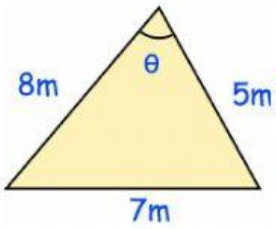
Cosine Rule

Question 2: Find the size of θ for each of these triangles.

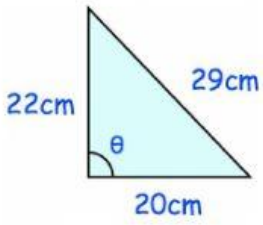
(a)



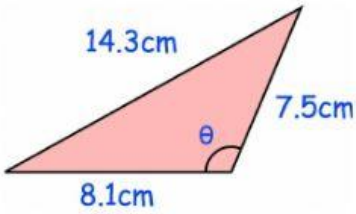
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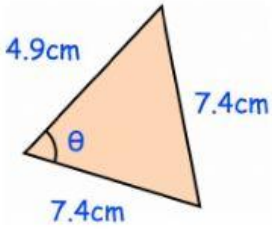
(c)



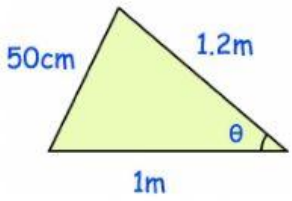
(d)



(e)



(f)



LIVEWORKSHEETS

Cosine Rule

Question 3: In triangle ABC, the side AB = 6cm, the side BC = 8cm and angle ABC = 100°
Find the length of side AC.
Give your answer to 1 decimal place.

Question 4: In triangle DEF, the side DE = 30cm, the side DF = 40cm and the side EF = 45cm.
Find the size of angle DFE.
Give your answer to 3 signiVicant Vigures.

Question 5: In triangle GHI, the side GH = 3cm, the side HI = 18cm and the side GI = 20.5cm.
Find the size of angle HGI.
Give your answer to 3 signiVicant Vigures.

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