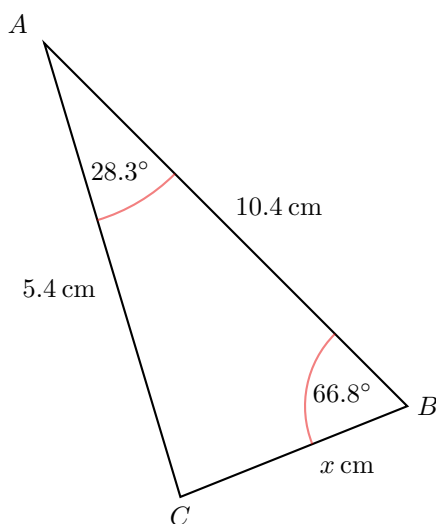
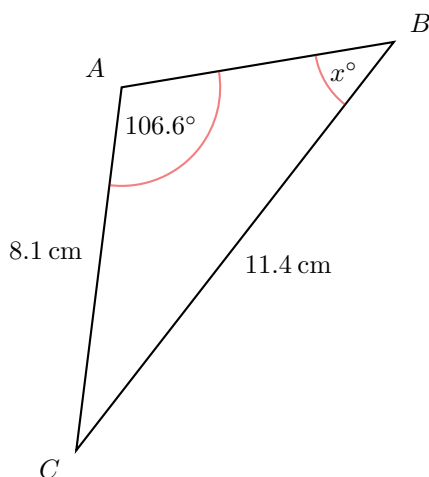


Question Sheet

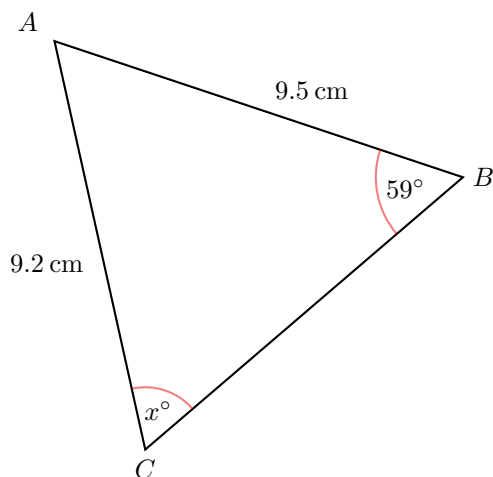
- 1 Find the value of x in the following triangle, correct to 3 significant figures.



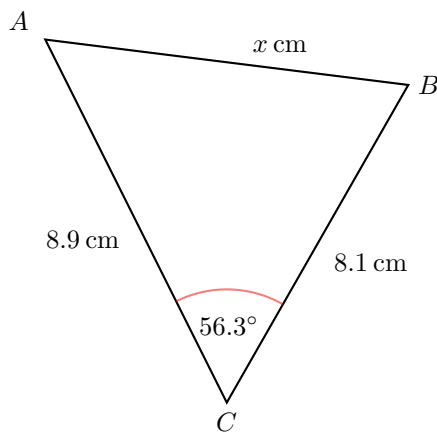
- 2 Find the value of the acute angle x in the following triangle, correct to 3 significant figures.



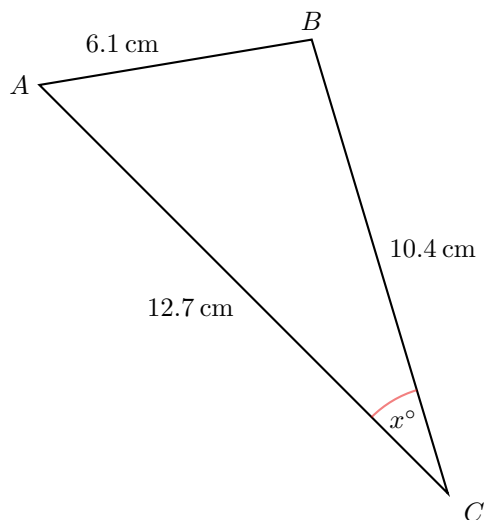
- 3 Find the possible values of x in the following triangle, correct to 3 significant figures.



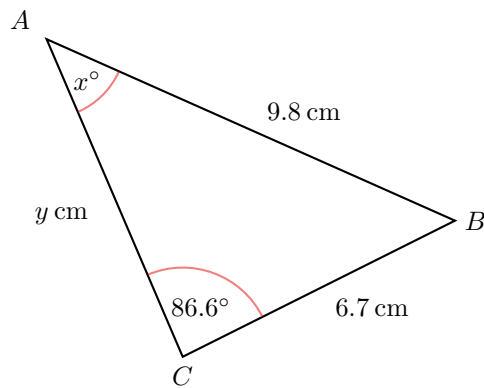
- 4 Find the value of x in the following triangle, correct to 3 significant figures.



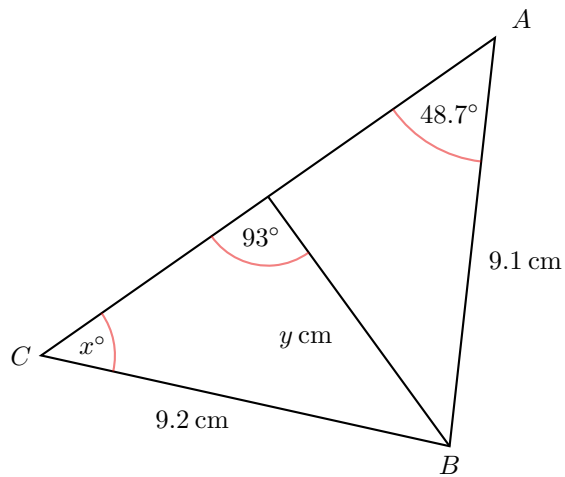
- 5 Find the value of x in the following triangle, correct to 3 significant figures.



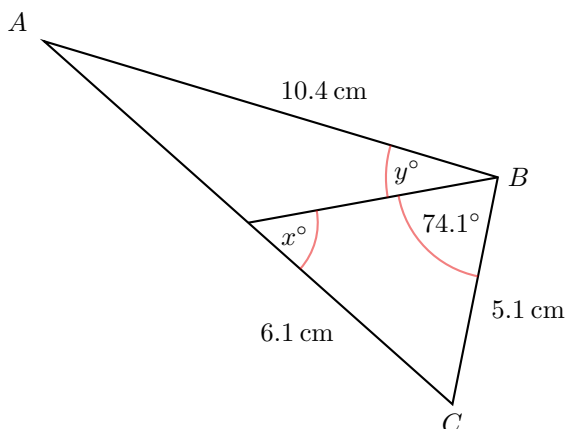
- 6 Find the values of x and y in the following triangle, correct to 3 significant figures.



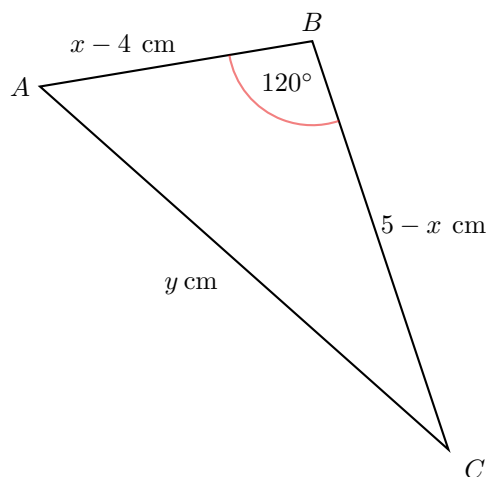
7 Find the values of x and y in the following triangle, correct to 3 significant figures.



8 Find the value of x and y in the following triangle, correct to 3 significant figures.



9 In the following triangle, show that $y^2 = x^2 - 9x + 21$. Hence, use the method of completing the square to find the minimum value of y^2 , and give the value of x for which this occurs.



- 10 Given the area of the triangle is $8\sqrt{2}$, find x .

