Question 2: Medium  
  
Using the Cosine Law, calculate the length of side b.  
  
Answer:  
  
27.14m = b  
  
Working:  
Firstly we write the Cosine Law.  
  
= + - 2.a.b.cos(C)  
  
Then we input our variables:  
  
We will use 12m for side a and 10m for side b. Angle C will be equal to 110ᶿ as that is the angle opposite to side c.  
Therefore:   
= + - 2.12.10.cos(110ᶿ)  
  
= 326.084 m  
  
c=18m