Question 3: Hard  
  
Evaluate the interior angle which is opposite to side c.  
  
Answer:  
  
 = C  
  
Working:  
  
Firstly we write the Cosine Law.  
  
= + - 2.a.b.cos(C)  
  
We then rearrange to equate C.  
 = C  
  
Then we input our variables:  
  
Where, a=12m, b=8m and c=15m  
  
Therefore:   
 = C  
  
 = C