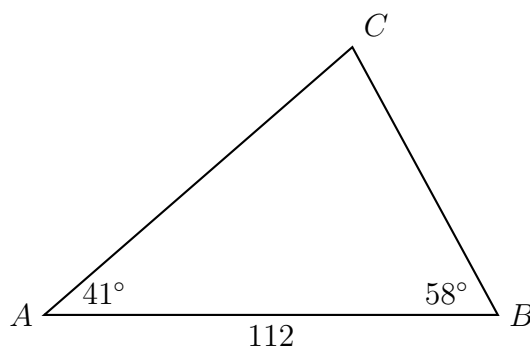


**1.16 Exit Note Quiz: Trigonometry skills**

1. Solve the given triangle (determine the values of all lengths and angles)



2. Find the slant height of a cone with a diameter of 32 centimeters and height of 12 cm.
3. Triangle  $ABC$  has an area of 100, with  $AB = 15$  and  $AC = 17$ . Find the measure of the angle  $A$ .

Hint: Consider that the two configurations shown have the same base and altitude.

