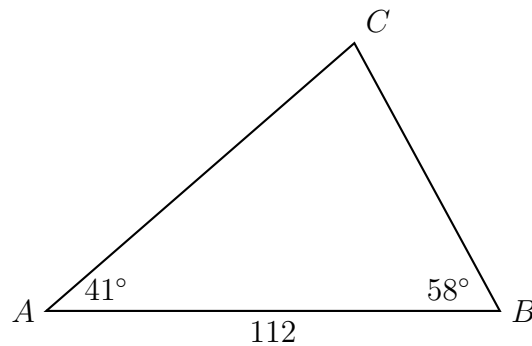## 1.16 Exit Note Quiz: Trigonometry skills

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.