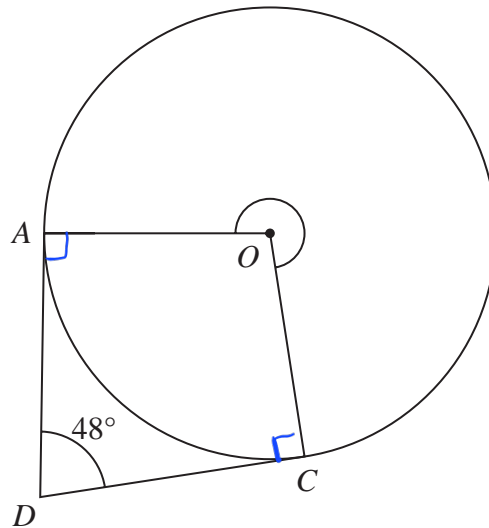**1**

Diagram **NOT**
accurately drawn

A and *C* are points on a circle, centre *O*
DA is the tangent to the circle at *A* and *DC* is the tangent to the circle at *C*

Angle *ADC* = 48°

Work out the size of reflex angle *AOC*

$$DCO = DAO = 90° \ \textcircled{1}$$

$$AOC = 360° - 48° - 90° - 90°$$

$$= 132° \ \textcircled{1}$$

$$AOC \ (reflex) = 360° - 132°$$

$$= 228° \ \textcircled{1}$$

228 °

....

(Total for Question 1 is 3 marks)