

Answer all ELEVEN questions.

Write your answers in the spaces provided.

You must write down all the stages in your working.

1

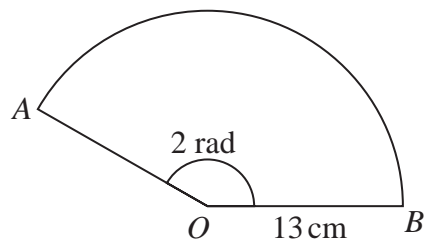


Diagram **NOT**
accurately drawn

Figure 1

Figure 1 shows the sector AOB of a circle with centre O .
The radius of the circle is 13 cm and angle $AOB = 2$ radians.

(a) Find the length of the arc AB .

(1)

(b) Find the area of the sector AOB .

(2)

(Total for Question 1 is 3 marks)

