4

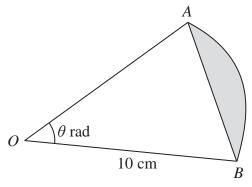


Diagram **NOT** accurately drawn

Figure 1

Figure 1 shows a sector of a circle of radius 10 cm and centre O. The area of triangle OAB is 20 cm² and the size of angle AOB is θ radians.

Find, to 3 significant figures,

(2)

	(h)	the	length	of the	arc	ΔR
1	U,) uie	lengui	or me	arc	AD

(2)

		_			_		
((C)	۱ th	area	െറ	the	shaded	segment.
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(3)

Question 4 continued	
	(Total for Question 4 is 7 marks)

