

Question 3 (Total 3 marks)

Part	Working or answer an examiner might expect to see	Mark	Notes
(a)	The formula is only valid when the angle AOB is given in radians	B1	This mark is given for a correct explanation
(b)	$\frac{36}{360} \times 2\pi \times 0.5 \times 7^2$	M1	This mark is given for a correct method to find the area of the sector
	$\frac{49\pi}{10} \text{ cm}^2$ or 15.39 cm^2	A1	This mark is given for a correct value for the area of the sector