2(a	Uses $s = r\theta \Rightarrow 3 = r \times 0.4$	M1	1.2	
	\Rightarrow <i>OD</i> = 7.5 cm	A1	1.1b	
		(2)		
(b)	Uses angle $AOB = (\pi - 0.4)$ or uses radius is $(12 - `7.5')$ cm	M1	3.1a	
	Uses area of sector $=\frac{1}{2}r^2\theta = \frac{1}{2} \times (12 - 7.5)^2 \times (\pi - 0.4)$	M1	1.1b	
	$= 27.8 \text{cm}^2$	A1ft	1.1b	
		(3)		
(5 marks)				
Notes:				
(a)				
M1:	Attempts to use the correct formula $s = r\theta$ with $s = 3$ and $\theta = 0.4$			
A1:	OD = 7.5 cm (An answer of 7.5cm implies the use of a correct formula and scores both marks)			
(b)				
M1:	$AOB = \pi - 0.4$ may be implied by the use of $AOB =$ awrt 2.74 or uses radius is			
	(12 – their '7.5')			
M1:	Follow through on their radius $(12 - \text{their } OD)$ and their angle			
A1ft:	Allow awrt 27.8 cm ² . (Answer 27.75862562). Follow through on their (12 – their '7.5')			
	Note: Do not follow through on a radius that is negative.			