20	75×2 (=150)		5	M1	"150" for *AOC* may be seen on diagram.
	$\frac{"150" \times \pi r^2}{360}$ oe (= $1.309r^2$ or $\frac{5\pi}{12}r^2$)			M1	dep 1st M1
	$0.5 \times \sin$ ("150") $\times r^2$ oe (= $0.25r^2$)			M1	dep 1st M1 a complete method to find the area of triangle *OAC* in terms of *r*
	eg $\frac{150\pi}{360}r^2 - 0.5\sin(150)r^2 = 200$ oe or $(1.309... - 0.25)r^2 = 200$			M1	correct equation in r^2 or rearranged to make r^2 or *r* the subject.
		13.7		A1	accept 13.7 – 13.8
					Total 5 marks