Question	Working	Answer	Mark	Notes
20	$0.5\times10\times10\times\sin 60 (=25\sqrt{3}=43.3...)$ oe or $0.5\times10\times\sqrt{10^2-5^2}$ $(=25\sqrt{3}=43.3...)$ oe or $0.5\times10\times5\times\tan 60$ $(=25\sqrt{3}=43.3...)$ oe or $\sqrt{15(15-10)^3}$ $(=25\sqrt{3}=43.3...)$ oe		4	M1 For a correct method to find the area of the triangle – this list is not exhaustive – please credit any relevant method
	(radius =) $5\tan 30$ $(=\frac{5\sqrt{3}}{3}=2.886....)$ oe eg $\frac{5}{\sin 60}\times\sin 30$ or $\sqrt{10^2-5^2}-\frac{5(\sin 90)}{\sin 60}$ [*BF – OB where O is centre*] or $6\left(\frac{1}{2}\times5\times r\right)=25\sqrt{3}\Rightarrow r=\frac{25\sqrt{3}}{15}(=\frac{5\sqrt{3}}{3})$ oe or $r=\frac{\sqrt{10^2-5^2}}{3}$			M1 Indep – correct method to find radius – this list is not exhaustive – please credit any relevant method
	$\pi\times\left(\frac{5\sqrt{3}}{3}\right)^2$ or $\pi\times(2.886...)^2$ $(=\frac{25}{3}\pi=26.17\ldots)$			A1 A **correct** value or expression for the area of the circle
	Working not required, so correct answer scores full marks (unless from obvious incorrect working)	17.1		A1 awrt 17.1
				Total 4 marks