Question 4 – 4:

4(a)	$\frac{(12-2)\times 180}{12}$ [= 150] oe or $180-\frac{360}{12}$ [= 150]	**1**	Accept $\frac{(2\times 12-4)\times 90}{12}$ [= 150]
4(b)(i)	$\frac{3}{\cos 75}$ oe or $\frac{6\sin 75}{\sin 30}$	**M2**	**M1** for $\frac{3}{AO}=\cos 75$ oe or $\frac{r}{\sin 75}=\frac{6}{\sin 30}$
	11.59…	**A1**	
4(b)(ii)(a)	72.8 or 72.9 or 72.82 to 72.89…	**2**	**M1** for $2\times\pi\times 11.6$
4(b)(ii)(b)	12.1 or 12.06 to 12.08	**2**	**M1** for [6 +] *their* **(b)(ii)(a)** ÷ 12 oe
4(c)	806 or 807 or 805.9 to 807.4	**3**	**B2** for 402.9… to 403.7 OR **M2** for $\frac{1}{2}\times 6\times 11.6\times\sin 75\times 12\times 2$ oe or **M1** for $\frac{1}{2}\times 6\times 11.6\times\sin 75\,[\times k]$ oe