11	$240 = \frac{1}{2} \times 30 \times (AC)$ or $240 = \frac{1}{2} \times 30 \times (AC) \times \sin 90$ or $(AC =) \frac{240 \times 2}{30} (= 16)$ or $(AC =) \frac{240 \times 2}{30 \times \sin 90} (= 16)$		4	M1
	$(BC^2 =) 30^2 +$ "16"^{2} $(= 1156)$ or $(BC^2 =) 30^2 +$ "16"$^2 - 2 \times 30 \times 16 \times \cos 90 (= 1156)$ or $(ABC =) \tan^{-1}\left(\frac{"16"}{30}\right) (= 28.0(724...))$ or $(ACB =) \tan^{-1}\left(\frac{30}{"16"}\right) (= 61.9(275...))$			M1 dep on M1 ft their AC value provided the first M1 has been awarded
	$(BC =) \sqrt{30^2 +"16"^2}\ (= \sqrt{1156} = 34)$ or $(BC =) \sqrt{30^2 +"16"^2 - 2 \times 30 \times 16 \times \cos 90}\ (\sqrt{1156} = 34)$ or $(BC =) \frac{"16"}{\sin("28.0")} (= 34)$ or $(BC =) \frac{30}{\cos("28.0")} (= 34)$ or $(BC =) \frac{"16"}{\cos("61.9")} (= 34)$			M1
	Correct answer scores full marks (unless from obvious incorrect working)	80		A1 Allow 79.9 – 80.1 SCB2 for 69(.048…) SCB1 for 31(.048…) – 31.1 or $\sqrt{964}$ or $2\sqrt{241}$
				Total 4 marks