11	$(AD^2 =)\ 28^2 + 45^2\ \ (= 784 + 2025 = 2809)$ **or** $(EDA =)\ \tan^{-1}\left(\frac{28}{45}\right)\ \left(= 31.8(9...)\right)$ **or** $\left(EAD =\right)\ \tan^{-1}\left(\frac{45}{28}\right)\ (= 58.1(09...))$		5	M1	for a correct method to find AD^2 **or** angle *EDA* **or** angle *EAD*
	eg $(AD =)\ \sqrt{28^2 + 45^2}\ \ (= \sqrt{784 + 2025} = \sqrt{2809} = 53)$ oe **or** $\left(AD =\right)\ \frac{28}{\sin 31.8(9...)}\ (= 53...)$ **or** $\left(AD =\right)\ \frac{45}{\cos 31.8(9...)}\ (= 53...)$ oe **or** $\left(AD =\right)\ \frac{45}{\sin 58.1...}\ (= 53...)$ **or** $\left(AD =\right)\ \frac{28}{\cos 58.1...}\ (= 53...)$ oe			M1	for a correct method to find *AD*
	eg $(BC =)\ \sqrt{35^2 - ("53" - 21)^2}\ \ (= \sqrt{1225 - 1024} = \sqrt{201} = 14.1(7...))$ **or** $(BDC =)\ \cos^{-1}\left(\frac{"53" - 21}{35}\right)\left(= 23.8(9...)\right)$ **or** $(BCD =)\ \sin^{-1}\left(\frac{"53" - 21}{35}\right)\left(= 66.1...\right)$			M1	for correct method to find *BC* **or** angle *BDC* **or** angle *BCD*
	eg $\frac{1}{2} \times "14.1(7...)" \times ("53" - 21)\ (= 16\sqrt{201})$ **or** $\frac{1}{2} \times 35 \times ("53" - 21) \times \sin("23.8(9...)")$ **or** $\frac{1}{2} \times 35 \times "14.1(7...)" \times \sin("66.1...")$			M1	for a correct method to find the area of triangle *CDB*
	Correct answer scores full marks (unless from obvious incorrect working)	227		A1	awrt 227 accept $16\sqrt{201}$
					Total 5 marks