Question Number	Scheme	Marks
1 (a)	$\cos\theta° = \dfrac{8^2+9^2-10^2}{2\times8\times9}$	M1A1
	$\theta° = 71.79... = 71.8°$	A1 cao (3)
(b)	Area $= \dfrac{1}{2}ab\sin C = \dfrac{1}{2}\times8\times9\sin 71.79...$	M1
	$= 34.19... = 34.2\ (\text{cm}^2)$ (Use of 71.8 also gives 34.2)	A1cao (2) [5]

(a)M1	Cosine rule for any angle of the triangle; can be in either form but formula must be correct
A1	Correct numbers in the cosine rule. Must be the correct angle (ie largest)
A1cao	Identify $\theta = 71.8°$ Must be to nearest 0.1^o
ALT:	Find at least 2 angles by cosine and possibly sine rule. (can be any 2 of the angles) M1A1
	$\theta = 71.8°$ Must be to nearest 0.1^o A1
(b)	
M1	Any complete method to find the area of the triangle (use any angle found in (a) with the sides enclosing it)
A1cao	34.2 Must be to 3sf unless rounding already penalised in (a)