17	$12 = \frac{1}{2} \times 4.6 \times 8.3 \times \sin ABC$ or $\frac{4.6h}{2} = 12$ $(h = 5.217....)$		5	M1	a correct equation for the area to find angle *ABC* or to find the perpendicular height of the triangle.
	$ABC = \sin^{-1}\left(\frac{12}{\frac{1}{2} \times 4.6 \times 8.3}\right)$ (= 38.947…) oe or $ABC = \sin^{-1}(0.6286)$ (= 38.947...) or $ABC = \sin^{-1}\left(\frac{"5.217..."}{8.3}\right)$ (= 38.947...) or $BM^2 = 8.3^2 - "5.217..."^2$			M1	A correct method to find angle *ABC* or a correct method to find BM^2 where *CMB* is 90º
	$AC^2 = 4.6^2 + 8.3^2 - 2 \times 4.6 \times 8.3 \times \cos("38.947")$ [allow cos39º] or $AC^2 = 30.6(627...)$ $BM = \sqrt{8.3^2 - "5.217..."^2}$ (=6.455…)			M1	a correct start to the cosine rule to find length AC or a fully correct method for *BM*
	or $AC = \sqrt{"30.6(6...)"}$ **or** 5.5(3739…)			A1	A correct value for *AC* which can be the square root of 30.6(6…)
	Correct answer scores full marks (unless from obvious incorrect working)	18.4		A1	Allow answers in range 18.4 to 18.45
					Total 5 marks