20	eg $(AC^2 =)18^2 - 7^2 (= 275)$ **or** $(AC =)\sqrt{18^2 - 7^2} (= \sqrt{275}$ or $5\sqrt{11}$ or $16.5(831...))$ **or** $(FB^2 =)9^2 + 7^2 (= 130)$ **or** $(FB =)\sqrt{9^2 + 7^2} (= \sqrt{130}$ or $11.4(017...))$ **or** $(GC^2 =)18^2 - 9^2 (= 243)$ **or** $(GC =)\sqrt{18^2 - 9^2} (= \sqrt{243}$ or $9\sqrt{3}$ or $15.5(884...))$ **or** $18^2 = (BC)^2 + 7^2 + 9^2$ oe		3	M1	for method to find AC^2 **or** AC **or** FB^2 **or** FB **or** GC^2 **or** GC **or** for a correct equation using BC^2 and 18 and 7 and 9 other longer ways to find AC, FB, GC may be used but must be a complete method eg $\angle FCA = \sin^{-1}\left(\frac{7}{18}\right) (= 22.88...)$ **and** $AC = \frac{7}{\tan"22.88..."}$
	eg $"275" - 9^2 (= 194)$ **or** $"16.5..."^2 - 9^2 (= 194)$ **or** $18^2 - "130" (= 194)$ **or** $18^2 - "11.4..."^2 (= 194)$ $"243" - 7^2 (= 194)$ **or** $"15.5..."^2 - 7^2 (= 194)$ **or** $18^2 - 7^2 - 9^2 (= 194)$ **or** $\angle FCB = \sin^{-1}\left(\frac{"11.4"}{18}\right) (= 39.3(036...))$ **and** $\cos"39.3" = \frac{(BC)}{18}$ or $\tan"39.3" = \frac{"11.4"}{(BC)}$ oe			M1	for complete method to find BC^2 other longer ways to find BC may be used but must be a complete method, leading to a trig equation in BC
	Correct answer scores full marks (unless from obvious incorrect working)	13.9		A1	accept 13.8 to 14
					Total 3 marks