17 (a)	$(FH =)\ \sqrt{12^2+12^2}\ (=16.97...$ or $\sqrt{288}$ or $12\sqrt{2})$		3	M1	
	$\tan CFH = \dfrac{10}{"16.97..."}$ oe **or** e.g. $(CF =)\ \sqrt{"16.97"^2+10^2}\ (=19.69...$ or $\sqrt{388}$ or $2\sqrt{97})$ **and** e.g. $\dfrac{\sin CFH}{10} = \dfrac{\sin 90}{"19.69"}$			M1	for a correct trig statement involving *CFH*
		30.5		A1	accept 30.4 – 30.7
(b)	$(BG =)\ 10 + \sqrt{15^2-12^2}\ (=19)$		3	M1	
	$(BE =)\ \sqrt{"19"^2+"16.97..."^2}$ oe			M1	ft their *FH*
		25.5		A1	accept 25.4 – 25.6
					Total 6 marks

18	$a + 5d = 39$ **or** $a + 18d = 7.8$ **or** $13d = -31.2$ oe		4	M1	
	$a = 51$ **or** $d = -2.4$			A1	
	e.g. $\dfrac{25}{2}(2\times 51+(25-1)\times -2.4)$ oe **or** $12.5(2a + 23d + d) = 12.5(39 + 7.8 – 2.4)$ oe			M1	for substituting their values for *a* and *d* into S_n, *a* and *d* must be clearly stated.
		555		A1	
					Total 4 marks