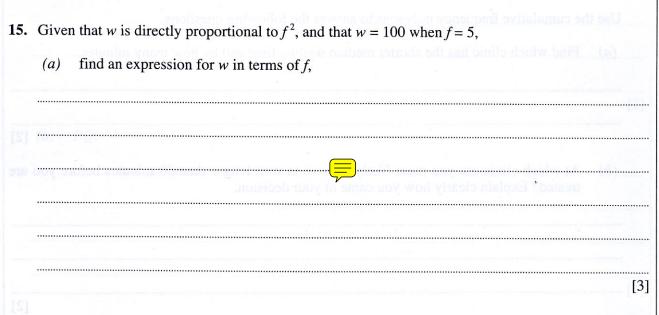
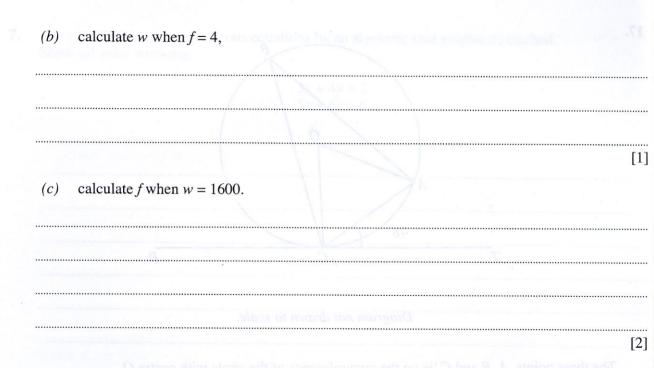
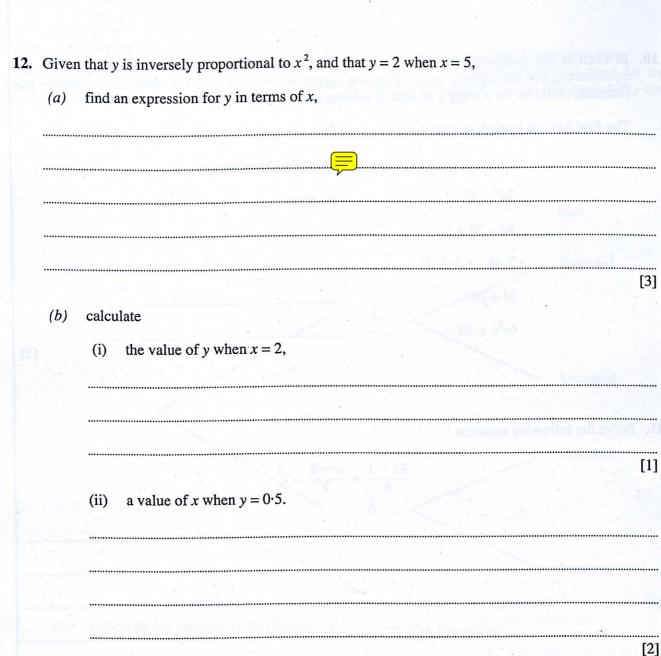
<i>(a)</i>	find an expression for y in terms of	x,
	,	
		For Refs.
•••••		
(h)	calculate y when $x = 1.5$,	
10)	culculate y which $x = 1.5$,	
(0)	when x = 15,	
	S.	
	carculate y when x = 13,	
	<u> </u>	
	calculate x when $y = 0.5$.	
	<u> </u>	
	<u> </u>	







(a)	Given that the mass of a sphere with radius 2 cm is 80 g , find an expression for m in term of r .					
	naplete the following tree diagrams.)— (u)				
•••••	0 010136					
741						
		••••••••••••				
••••••	/ Red					
<i>(b)</i>	Coloulate					
<i>(b)</i>	Calculate					
	(i) the mass of a sphere with radius 4 cm,					
	(ii) the redice of a sub-section 270					
	(ii) the radius of a sphere of mass 270 g.					

			m5.1			
•••••			=		<u> </u>	-
	looz e	Lengus de la companya			/	••••••••••••
(b)	(i)	Calculate the dist	tance that the pebble	falls in the first 3 so	econds.	
				S. /		
			5	* A (112)		
	(ii)	Calculate the tim	e taken in seconds fo	or the pebble to fall	405 metres from re	st.