Direct and Inverse Proportion Revision									
(a)	(b)	(c)				(d)			
y is directly proportional to x. When $x = 8, y = 40$. Find a formula for y in terms of x.	<i>F</i> is inversely proportional to <i>t</i> . When $F = 2.5, t = 4$. Find a formula for <i>F</i> in terms of <i>t</i> .	p is directly proportional to the square of q . When $q = 3$, p = 90. Find a formula linking p and q .				y is directly proportional to x^3 . When $x = 5$, $y = 2500$. Find a formula for y in terms of x.			
(e)	(f)	(g)				(h)			
Sketch the graph showing <i>y</i> is inversely proportional to <i>x</i> .	y is directly proportional to \sqrt{x} . When $x = 4$, $y = 0.5$. Find the value of y when $x = 64$.	d is inversely proportional to w^2 . When $w = 0.5$, $d = 12$. Find a formula for d in terms of w.				<i>T</i> is inversely proportional to \sqrt{L} . When $L = 16, T = 25$. Find the value of <i>L</i> when $T = 10$.			
(i)		(j)							
The distance d travelled by a ba	l is proportional to the square of ds the ball has travelled 40 m.		x	1	2	5	10	20	
 (i) Find a formula linking <i>d</i> and t. (ii) Find the distance travelled after 7 seconds. 			у	100	25	4			
		(i) Fii (ii) C	nd a form omplete t	ula for y he table.	in terms	of x.			