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<i>(b</i> )	f-1	2			
(0)	find $g$ when $h =$	L.			
	***************************************				
		rtional to $x^2$ , and that $y = 0$ in terms of $x$ ,	= 4 when $x = 0.5$ ,		
			= 4  when  x = 0.5,		
	find an expressi		= 4  when  x = 0.5,		
(a)	find an expressi			ving table.	
(a)	use the expressi	on for $y$ in terms of $x$ ,  on you found in $(a)$ to $c$	omplete the follow	ving table.	
(a)	use the expressi	ion for y in terms of x,			
(a)	use the expressi	on for $y$ in terms of $x$ ,  on you found in $(a)$ to c $0.5$	omplete the follow	ving table.	
(a)	use the expressi	on for $y$ in terms of $x$ ,  on you found in $(a)$ to c $0.5$	omplete the follow		
(b)	use the expressi	on for $y$ in terms of $x$ ,  on you found in $(a)$ to c $0.5$	omplete the follow	6400	



Give	en that y is inversely proportional to $x^2$ , and that $y = 4$ when $x = 10$ ,	
(a)	find an expression for $y$ in terms of $x$ ,	
		[3]
(b)	calculate	
	(i) the value of y when $x = 20$ ,	
		[1]
	(ii) a value of x when $y = \frac{1}{100}$ .	
	·	
		[2]
4.	Given that y is proportional to $x^2$ , and that y = 12 when x = 2, calculate	
₹•	Given that y is proportional to $x$ , and that y = 12 when x = 2, calculate	
a)	the value of y when $x = 5$ .	
b)	the value of x when $y = 48$ .	
		(5)

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		versely propo			when $x = 6$ ,	
(a)	find an ex	pression for y	in terms of x	f.,		
						[3
(b)	complete t	the following	table for valu	ses of $x$ and $y$	7.	
		x	$\frac{1}{2}$	6		
		у		4	3	
						[2
6.	Given tha	t y is proport	ional to $x^3$ ,	and that y =	= 4 when x =	: 1, calculate
a)	the value	of y when x	= 2.			
b)	the value	of x when y	= 256.			

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(ii) II		6	- G) to com-	loto the faller	rian talla	
(ii) Us	se the expression			lete the follow	ving table.	
	х	2	10			
	y	100		$\frac{1}{4}$		
		1			_	
Given the	at v is inversely	proportional to	o $x^2$ and that	v = 10 when	x = 12, find an	
Given that	at $y$ is inversely s of $x$ .	proportional to	o $x^2$ , and that	y = 10 when .	x = 12, find an	
Given that	at y is inversely s of x.	proportional to	o $x^2$ , and that	y = 10 when .	x = 12, find an	
in term	s of x.					expressi
v in term	s of x.					expressi
v in term	s of x.					expressi
v in term	s of x.					expressi
o in term	s of x.					expressi

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Give	n that y is inversely pr	roportion	al to x, an	d that $y =$	3 when x	= 8,	
(a)	find an expression f	or y in ter	rms of x,				
***********							
							[:
(b)	complete the follow	ing table	for values	s of x and	y.		
		х	1/2		8	]	
		у		4	3		
						-	
							[2

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10. Given that y is inversely proportional to x, and that y = 3 when x = 2,

find an expression for y in terms of x,


(b) use the expression you found in (a) to complete the following table.

x	-1	2	
у		3	0-1

[2]

[3]

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11.	Give	In that y is inversely proportional to $x^2$ , and that $y = 2$ when $x = 15$ ,	
	(a)	find an expression for $y$ in terms of $x$ ,	
			[3]
	(b)	calculate	
		(i) $y \text{ when } x = 10,$	
			[1]
		(ii) $x$ when $y = 50$ .	

[2]