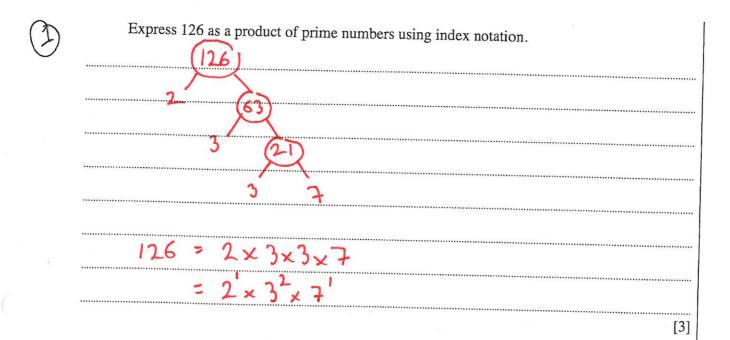
## PRODUCTS of PRIME NUMBERS PPCS



	24)		quare number.		
2	(12)	24 =	$2\times3$		
	1 (6)	not a	square num	per because 1	Le po
	2 3		nA all eve	۸.	
(b) Express 11	2 as a product of p	rime numb	ers in index for	m.	
	(n)				
2	(56)				
	2- (2	<b>Y</b>			•••••••••
	<b>X</b>	<b>-</b>			•••••••••
	1	$\begin{pmatrix} 14 \end{pmatrix}$			•••••••••••
			7		•••••
	<u></u>				
110	2'x7'				
112 =	- ~ 1		***********		
IIL 3	_ ~ 1				
IIL =					

Express	525 as a product of prime numbers using index notation.	ĺ
	5 (105) 5 525 = 3 x 5 2 x 7	<u>,</u>
	5 (21) 7 3	
		[3]
) (a) Ex	press 792 as a product of prime numbers in index form.	
	2 (198)	
	2 (99)	

(a) Express 192 as a product of prime numbers in index form.
(792)
2 (396)
2 (198)
2 (49)
3 (33)
3 11
201 - 2 - 1
792° 2 x 3 x 11
[3]
(h) Evaloin vyhy 10 is not a not fact
(b) Explain why 18 is not a perfect square.
2 (g) 18 = 2 x 3
9 10 22 2
3
JAIA and Leaver to all
Not a perfect square because all
the powers weit ever. [1]
ine power were even.

(a	Express 112 as a product of prime numbers in index form.
	28)
	1 (19)
	2 2
	112 - 04 -1
3 <b>•••••</b>	IIL: LX+
*******	
(b)	Explain how you know that 32 is <b>not</b> a square number.
	2 (16) 5
	32 = 2
	2 (4) NA square on the power is
	<u> </u>
(a)	Express 1323 as a product of prime numbers in index form.
	1323)
	3 (441)
	3 (147)
	1 (12)
***************************************	1222 - 2 2 2
***************************************	1323 3 X +
(b)	Write down the least whole number by which 1323 should be multiplied to make the resperfect square.
	3

**[11**