3	(a)	Geeta buys x apples, $(x+7)$ oranges and $(2x-1)$ bananas. The total number of pieces of fruit Geeta buys is 30.					
		(i)	Find the number of apples Geeta buys.		[3]		
		(ii)	The cost of one apple is 15 cents. The cost of one orange is 18 cents. The total cost of all the fruit is \$5.55. Find the cost, in cents, of one banana.		[-]		
	(b)	(i)	Solve. $\frac{3w}{16} - 1 = \frac{1}{2}$	cents	[3]		
		(ii)	$\frac{3(2^{-y})}{16} - 1 = \frac{1}{2}$ Find the value of y.	<i>w</i> =	[2]		
				<i>y</i> =	[2]		

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(c)	(i)	Solve the simultaneous equations.	
	. ,	•	2p + q = 2
			$p - q = -\frac{1}{2}$

<i>p</i> =	•
q =	[2]

(ii) Hence, for $0^{\circ} \le u \le 360^{\circ}$ and $0^{\circ} \le v \le 360^{\circ}$, solve the simultaneous equations.

$$2\sin u + \cos v = 2$$
$$\sin u - \cos v = -\frac{1}{2}$$

<i>u</i> =	or $u =$	
v =	or <i>v</i> =	[4]