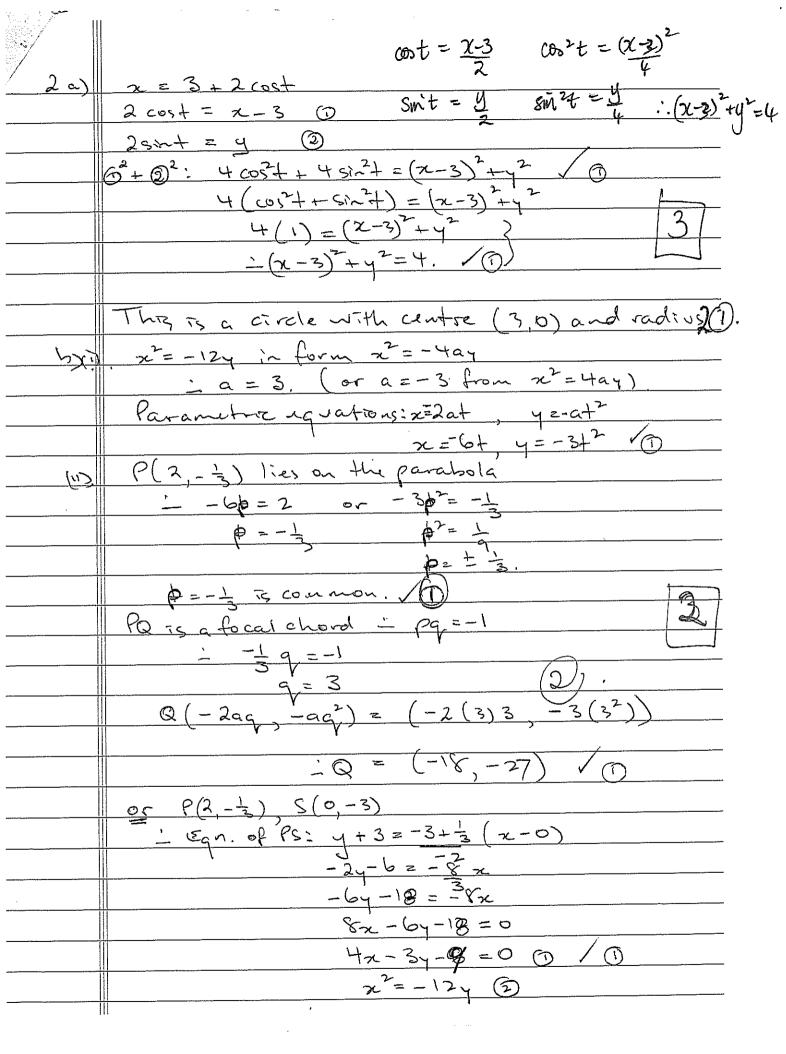
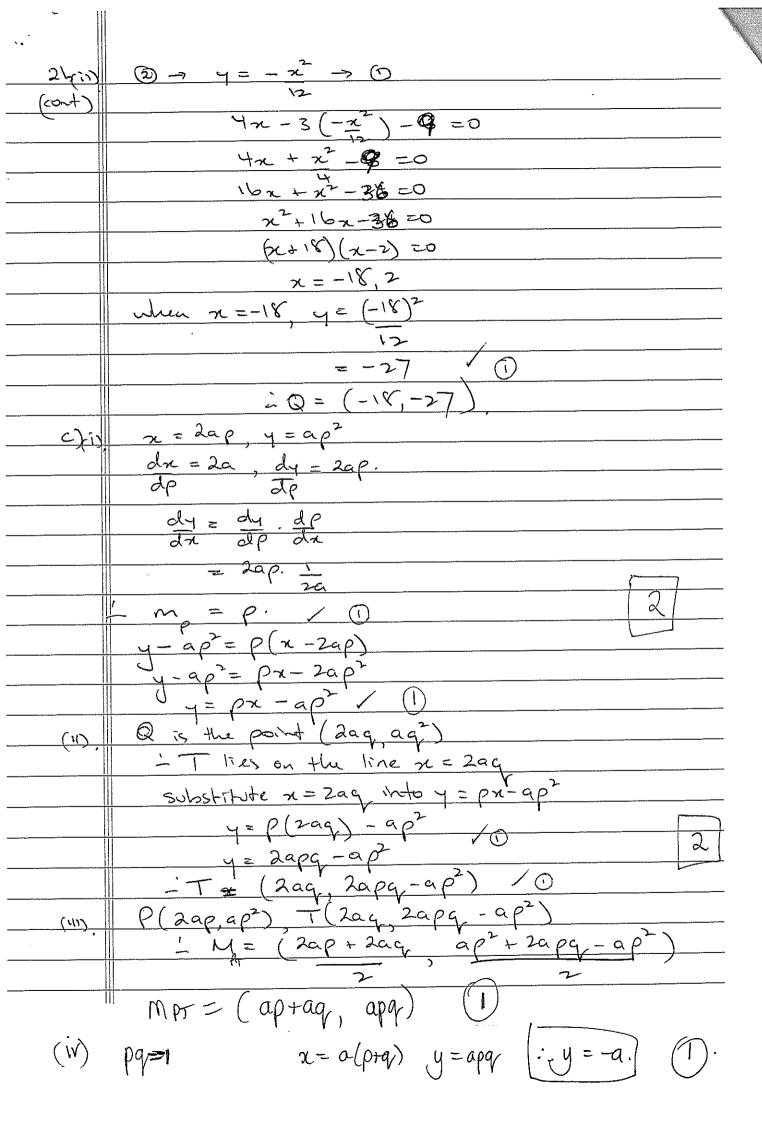
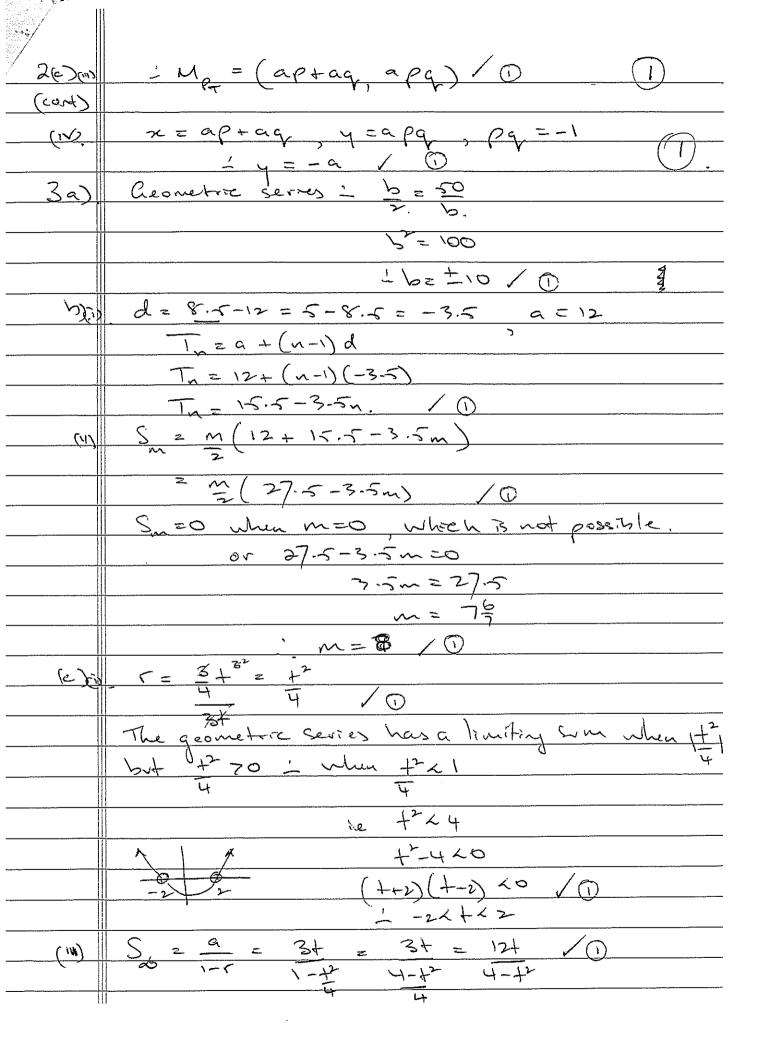


	7		The state of the s
``	Constitution of the Consti		
	1 (e)	$P(3) = 3^3 - 3k(3) + 6$	u
		= 33-9k	_
		P(3) = 0 (from the factor theorem)	
		· 33-9k=0	
		k= 1/3 / 0	
	272	«B(1) ≥ -2	
		$\frac{1}{6} = -2$	
	(1)	x+3+1=8 3 3	_
		2	
		$\alpha + \frac{1}{\alpha} = 8$	
		$\alpha + \frac{1}{2} - 10 = 0$	
	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	$\chi^{2} - 16\chi + 1 = 0$ / 0	
		x = 10 = \\ \frac{1}{300-4}	_
		2	
		~= 5± 2√6 √0	_
	<i>C</i> . 2		
	(11)	$\alpha\beta + \alpha(\frac{1}{\alpha}) + \frac{\beta}{\alpha} = k$	_
		(5+2(6)(-2)+1+5+2(6)=k/0	
			_
		k = -10 - 456 + 1 - 2(5 - 26)	_
		X2-19/0	
			_
			_
_			
	,		







jė-	: }
<b>.</b>	
30)	This is an arithmetic series with a = 1 and I = u
	S= n(a+1) ord=1
	z n (1+n) / 0
	7
(11). (11)	Sn= 1x6+2×7+3×8++ N×(N+5)
	= = (++=)
("")	S = 3 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 + 5 +
	$= 1^{2} + 5x1 + 2^{2} + 5x2 + 3^{2} + 5x3 + \dots + x^{2} + 5x$
	$= (2 + 2^{2} + 3^{2} + \dots + n^{2}) + (5 \times 1 + 5 \times 2 + 5 \times 3 + \dots +$
	$= \frac{1}{5} \ln(n+1) + \ln(5+5n) \sqrt{0}$
	$=\frac{1}{2} \ln (n+1) (2n+1) + 5n (n+1)$
	= tn(n+1)(2n+1) + 15n(n+1)
	$= \pm n(n+1)(2n+1+15)$
	= 1 N(N+1) (2N+16)
	= \frac{1}{2} \n (\n +1) (\n +8)
(~)	Total number of bottles = { u(n+1)(n+8) (from (m))
	1 = 1 = (N(T)) (N+8) = 10 /D
	$\frac{1}{2}N(N+1)$ $\frac{1}{2}N(N+1)$ $\frac{1}{2}N(N+1)$ $\frac{1}{2}N(N+1)$
	$\sqrt{(n+1)(n+8)} = \mu \sqrt{(n+1)}$
	N(N+1)(N+8) - 15N(N+1) = 0
	v(v+1)(v+8-12)=0
	v(n+1)(n-7) = 0
	in=0,-1,7 in There are 7 row