Decision 1 Algorithms Answers

		_	_)	_					
6(a)	P	R	$\begin{bmatrix} T \\ 3 \end{bmatrix}$	I	A	M	M1		SCA
	400	5	3)						
				60					
					460		A1		
						12.8	A1	3	AWRT
(b)	P	R	$\begin{bmatrix} T \\ 3 \end{bmatrix} = \begin{bmatrix} A \\ 40 \end{bmatrix}$	K	I	M	M1		variables
	400	5	3 40	00					
	(.00	9	3) "	0					
				1					
				-	20				
			42	20			A1		1 st pass
				2					•
				_	21				
			44	41			A1F		2 nd pass
			•	3					•
					22.	.05			
				463					
						12.9	A1	4	All correct AWRT
						Total		7	

	I			i	İ	I	I
5(a)(i)	(A)	(B)	C	D			
	2	3	0	0	M1		SCA: as far as $D = 3$
			2				
				3			F 4
			4		A1		For 4
				6	A1	3	All correct
			6		AI	,	All collect
(;;)	(4)	(D)	C				
(ii)	(A) 6	(B) 8	0	0	M1		SCA: as far as $D = 8$
	0	0	6	U	IVII		SCA. as fai as D = 0
			0	8			
			12	·	A1		For 12
				16			
			18				
				24			
			24		A1	3	All correct
(b)	Find LCM				B1	1	Allow lowest common denominator
(c)	600				B1	1	
				Total		8	