ECON Assignment 5

(1) \$000 P 2000 P 200 G 5V= (1-0.15) 8000 MARR = 0.05

2	Deep 11/2017 (85) (1/A 005.7) -2. (0/A 0.05.7) -200 (1.4/301)						
Periods	Salvage Valve EACINCAPITAL A Costs AC	EAC O&M	Total				
7	2564.62 1413.21	761.04	2174.25				
8	2179.92 1318.92	848,90	2167.82				
9	1852.94 1238.86	935.16	2174.02				
		Photographic Co.					
		Market Commence					
		Tana a la					

@7 years SV= (0.85)7(8000)= 2564.62

: Economic life is 10000 - 2564.62(0.71068) [0.17282] 8 years

Capital Cost EAC = [10000 - 2564.62 (0.71068)] [0.17282]

Elapital lost OM = [200 (+200 (2.9052))

(0.\$5)8000-2179.02

capital lost EAC = [10000 - 2179.92 (0.67684)][0.15472] =

Capital Got Odn=[200 +200 (3.2445)] = 848.0

(0.85) 98000= (0.85) 98000= (optal cost EAC= [10000-1452.94(0.64461)](0.14 069)] EAC 08M = [200+200"(3.6758)]

3) R 2 - 4 - 4 5					
8) @ 2 years	Period	SV	(npital lost EAC	OBM EAC	total
)SV= (35000) (1-0.3) = 17150	2	17150	10765.08	1742.72	11507.80
	3	12005	9322.96	1137.64	10460.60
Capital Cost EAC=	4	8403.5	8179.70	1791.94	9971.64
(-17150(089)+35000)(0.54544)	5	5882.45	7265.46	2893.28	10158.74
-10765.08				ly i	77W W
OSMEAC=					
1+0.06 1 047					

$$= 1361.69 (0.54544)$$

$$= 742.78$$

$$O8M = \sum_{500} \left(\frac{0.53^{5}-1}{(-0.47)(0.53)^{5}} - \frac{1}{2} \right) \left(0.23740 \right) = 2993.29$$

: they should replace vehicles every 4 years

6) 0.50 Mm

11500 = ZAC,	
. EAC, > 9971.64, : replace lease n/ on vehicle	
Then 1900 (18000 + 0.5) : 9000 is less than 9071. 64 they shald have leas	iesl
Now SV ₂ = (1-0.3) ² (35000) [F/P; N] 1750 2000 EAC Cop = 17150 (1.06) - 12005 H) = 6174483 EAC John = 2000 EAC John! = 8174	
: EAC of 8174 < 9000, Keepkeepieleveliele	