0

Q1

a.

Initial cost (I) = \$40,000

Salvage Value (6) = \$8,000

Period

(N) = 5

Annual depreciation allowances (Dn) = (1-5)

N

I=\$150,000 5=\$15,000

D5 = 40,000 - 8,000

D5 = \$6.400

Book Value calculations

N	DN	BNN
0	-	\$ 40,000
1	\$ 6,400	\$ 33,600
2	\$6,400	\$ 27,200
3	\$6,400	\$ 20,800
4	\$6,400	\$ 14,400
5	\$6,400	\$ 8,000

02

a) &= 1/w (multiplier)

2	5	- 0 7							
		N	X	DN	BVN				
		1	0.4	\$60,000	\$90,000				
		2	0.4	\$36,000	\$54,000				
		3	0.4	\$ 21,600	\$ 32,400				
		4	0.4	\$12,960	\$ 19,440	-			
- Constant		5	0.4	\$ 7,776	\$ 11,664	-			

Q2.									
c.	The salvage	e val	ue is l	righer th	an the det	eleciation	Value		
	at end of y	ear 5		O Care de la Care de l					
	The salvage value is higher than the deperculation value at end of year 5. BV5 < 5								
	This is a					The	The state of the s		
	depreciation								
				-	1				
			168310	02.3/4					
03							0		
a&b)		N	MACRS	DN	BYN	48			
		0	1 -	-	\$45,000	5=\$10,00	00		
		,	20°/	\$9,000	\$ 36,000				
		2	32%	\$ 14,400	\$21,600				
		3	19.2%	\$8,640	\$ 12,960				
		4			9 7,776				
		5		\$5,184	\$ 2,592				
		6	5.76%	\$ 2592	0				
		,		100000					
9	Capital Go	iuns/L	-055 =	Dalvage	Value - Bo	ok Value	9		
		199			- \$ 2,592				
	1		=	\$7,408					
							3		
	1								
The second secon	The state of the s								

QA.	Investment (1) = \$900,000
	Income (A) = \$300,000 + 5°/. Year
	Expenses = \$90,000 +71/6/4202
	Period (N) = 5 years
	Loan = 10% of I at 11% interest
	MARR = 12%
	Сонролати Тах = 30°/0
	Salvage Value (5)= \$50,000

-					NAME AND ADDRESS OF THE OWNER, THE PARTY OF		_
1	Depreciation=	N		MACRS	DN	BYN	
	The second	0	1000			\$900,000	
		1	-	20°/.	\$180,000	\$720,000	
		2		32%	\$ 288,000	\$ 432,000	
		3		19.2%	\$ 172,800	\$ 259,200	
		4		11.52%	\$103,680	\$155,520	
		5	-	11.52%	\$103,680	\$ 51,840	
-		6		5.76%	\$51,840	-	

AE calculation:

dol

PAE = \$90,000 at 11% for 6 years

= \$21,273.89

Loan Payment calculation

	Year	Beginning	Interest	principle payment	Ending Balance	
1	1	\$90,000	\$9,900	\$11,373.89	\$78,626.11	
1	2,	\$78,626.11	\$8,648.87		\$ 66,001.09	
	3	\$ 66,001.09	\$ 7,260.12	\$ 14,013.77	\$ 51,987.32	
	4	\$ 51,987.32	\$5,718.61	\$15,555.29	\$ 36, 432.03	
1	5	\$ 36,432 . 03	\$4,007.52	\$17,266.37	\$ 19,165.57	
-	6	\$19,165.57	\$ 2,108.22	\$19,165.67	Mary 1	

	Gain / Loss.									
	Taxable Gain (Loss) = 51,840 - 50000									
			= \$184		,000					
	:: 5al	** 6 -1 - 1 - 1								
		. Javage Value 2 Book Value (70x = 30%) . Tax to be paid = \$552.00								
			port		. 00					
	Income	Statemen	t						25244B	
Year	1	2	-	3	1	4	1	=		
Revenue	\$300,000	\$321,00	0 \$34=	3, 470	\$26	7,513	1	393,239	1 400 746	
Expenses	\$90,000	\$94,50				4, 186	-		\$420, 766	
Debt	\$9,900	\$8,649	1 11			5,719	\$ 4,008		\$ 114,865	-
Taxable	\$ 200,100	\$ 217,85		, 985		7,608	-	279,836	\$ 2,108	100
Income	\$60,030	\$65,35		095		1,282		83,951	\$303,792	
Net Income	\$140,070	\$152,49		,889				195,885	\$ 91,138	
		MARKET A	THE REAL PROPERTY.		17	-,526	17	73,005	\$ 212,654	
	Cash Flou	0	1 40 2 3 6 7	1000						
Year	0	1	2		3	4		5		
Net Income		\$140,070	\$ 152, 496			\$ 180,32			\$212,654	
Depreciation		\$180,000	\$288,000	\$172	,800			\$103,680	\$51,840	
	\$900,000)								431,040	
Salvage			1533		166	100000	7 10	by a sy	450 000	-
Gains/Loss					-	2000		4	\$50,000 (-\$552)	
Borrowed	\$90,000								(D) 224)	
Principle		(-\$11,374)	(-\$12,625)	(-\$14,014) (-\$15,55		55) (-\$17,266)		(-419 160)		
Net Cash flow.	(-\$810,000)	\$308,696	\$ 427,871	\$324	\$324,676 \$268,450		\$282,299	\$ 294, 222		
						Same on				
	PW = (-P)	+ 308,696	PF, 12%,1) + 42	7,871	(P/F, 12	/. ,2) + 324,62	+6 (PIF,121).	-> 4
). 130 (111, 12,	7) + 282	744 (b)	F, 12,	5) + 29	4 7	177 (PIF, 12.	6)	3) +
	= 72	17,924.	78 (> 0	Acce	pt)			-/	
	IKR = 3.	4% (>	12.10)	Accep	()					
	Thi	project	is very	just	fiak	ole at g	ive	n interes	it rates &	
	gains.	Accept in	7						9	
AND THE RESERVE OF THE PARTY OF	The second secon									