1 Illeginging a garage a garage		
1 PMT	1.	FV
1. You are twenty years old and currently have no savings. You plan to retire		rv
at age 55 years. If you start to save \$3,500 per year at age 20, how much	43/4/12/	
will have been saved at retirement? Assume you will earn a 5% return on	7 3 14/1	
vour savings n = 55-20 rate = 5% PMT = 3,500		
n=30 PV=0		
2. Your client has been offered two options for the settlement of a dispute	2A.	PV
with his insurance company. You must help him to choose the option with	\$ 242,518	
the highest present value.	3 0 10 10	
the nighest present value.	2B.	PV
a cate = 7°/		~
Option One: \$45,000 per year for 7 years n=7 rate=7%.	\$ 305,010	
Option Two: \$600,000 paid in a lump sum in 10 years. n=10 rate=7%	2C.	
Assume an annual rate of return of 7% . $FV = 600,000$	2	
	option 2	
2A. Present Value of Option One	,	
2B. Present Value of Option Two		
2C. Which option should the client choose?	/	
Ze. Willest Option of the Control of		
3. You qualify for a home loan of \$450,000 at an annual interest rate of	3.	PART
3.7% and a loan term of 30 years. What will be your monthly payment?	\$ 2,071	
13.7% and a loan term of 30 years. What will be you monthly payment of 30 years. What will be you monthly payment of 30 years.		
4. You are currently twenty-five years old and have set a savings goal of	4.	PMT
\$1,200,000 for when you reach 70 years old. You presently have savings of	4	
\$50,000 and no debt. How much must be saved each year to attain your	\$8,876	
savings goal of \$1,200,000? Assume you can earn an annual return of 6% on		
savings goal of \$1,200,000: Assume you can current and an arrange of the savings and 10,000 FV=1,200,000		
your savings. n=70-25 rate=6%. FV=1,200,000		
	5.	PV
5. Three hundred bonds with a face value of \$30,000 pay \$1,000 per year		
and mature in 16 years. How much should an investor pay for this	\$19,609	
investment if they desire a 7% annual return? FV = 30,000	4	
n=16 rate = 7% PMT=1,000		0.1
6. Four hundred fifty strip bonds with a face value of \$45,000 mature in 10	6.	PV
years. How much should an investor pay for this investment if they desire a	\$ 25,128	
6.0% annual return? n = 10 rate = 6%. FV=45,000		
Olo75 dillional research		
7. You and your spouse earn \$120,000 per year, and want to spend	7.	PV
only 25% of your income on a mortgage payment. You qualify for a	1 100 009	
15-year loan at an annual rate of 3.7%. Find how much you can	\$ 482,929	
15-year loan at an annual rate of 3.7%. Find how much you can borrow with these limitations. $N = 15^{\circ}$ vate = 3.7%.		
borrow with these limitations. $N=15$ $V_{A}V_{A}=V_$		
8. You are currently twenty-five years old and have set a savings goal of	8.	PMT
\$1,000,000 for when you reach 65 years old. You presently have no savings	1000	
\$1,000,000 for when you reach by years old. Tou presently have no starting and of	\$ 5,009	
or debt. How much must be saved each year to attain your savings goal of		
\$1,000,000? Assume you can earn an annual return of 7% on your savings.		
n=65-25 n=40 rate=7% PV=0 =V=1,000,000		

	TO 534		
9. You are twenty-five years old and currently have no savings. You have	9. FV		
only one debt, a \$60,000 student loan. You plan to retire at age 80 years. If	202110		
you start to save \$4,000 per year starting at age 25, how much will have	\$97,669		
been sayed at retirement? Assume you will earn a 6% return on your			
savings. N= 80-25 rate=6% PMT=4,000			
n=55 PV=-60,000) (D)		
10 11. An investment is projected to earn the following net	10. NPV		
operating incomes.			
Year Net Operating Income	\$958,548		
1 \$90,000	3 133 13		
2 \$97,000			
3 \$103,000			
4 \$109,000			
At the end of the four-year holding period, the investment is sold for	11.		
net proceeds of \$900,000.	IKK		
	11.9%		
10. Find the net present value of this investment if you want to earn a	11.110		
9% rate of return. Vate 9%. Year 4 = 109,000 +900,000			

11. What is the rate of return if you pay \$875,000 for this investment?			
(Report to nearest tenth %) 184 V - 18 8 15 , 000			
12. Provide an income statement estimating Year 4 Net Operating Income for this property.			
 15-unit apartment building with all two-bedroom units. 			
• Each unit will rent for \$1,200 per month in year one.			
Rents will increase 4% each year.			
Estimate vacancy and collection loss at 6% of gross income.			
Annual expenses in year one will be \$50,000, and are projected to increase at 7% aimulary.			
1200(18)(12)	77		
Annual Gross Income A.G.1 \$242;	971 tanneally		
A S E S E S E S E S E S E S E S E S E S	23		
AGI (.06)	4.6		
Vacancy and Collection V&C \$145	18		
AGI - VAC			
	200		
Annual Effective Erross A.E.G.1 \$ 228	,392		
Manager of forms	1 annually		
Income 50,000 (1.07) & 61,	252 69 1.07		
Annual Expenses A.E. 9 01,	151		
AEGI-A.E			
6.17.110			
Annual Net Income A.N. \$161,	1 0 0		
LIBITE ASOL	-		