	A	B	C	D	E	F
1			**COMPUTER PROJECT NO. 1**			
2			**FIN 511 - EMBA Finance - Dr. Michelson**			
3		Directly below these instructions is a blank table to compute PV factors.				
4		Using cell formulas or functions, calculate the PV for the years and interest rates				
5		given. Remember, only use cell formulas and reference the years and interest				
6		rates that are on the borders of the table. Following the tables are TVM problems that				
7		require that you calculate PV, FV, periods, or the interest rate. The answer cell is the				
8		yellow shaded cell. Place your solution in the yellow cell provided below each problem.				
9		Remember use cell formulas throughout. Also, you may use Excel =functions.				
10		The =PV =FV =NPV =IRR =RATE may be helpful. Never hardcode numbers in the				
11		cell formulas. For example, do not put the interest rate or periods in the cell formula,				
12		only reference the proper cell on the border of the table.				
13		This is an independent project and all work turned in must be your own.				
14		Do not add or delete columns or rows, the cell references must be the same as my original.				
15						
16		**When complete print out the following:**				
17		1. All of the problems and solutions.				
18		2. Print out everything again, but only print the cell formulas.				
19		3. All printouts should have row and column headings shown.				
20		4. Email your file.when complete.				
21				Name:		
22		**Present Value of $1.00**				
23			**Interest Rate - Percent**			
24		**Periods**	1%	3%	7%	10%
25		1	**0.9901**	**0.9709**	**0.9346**	**0.9091**
26		2	**0.9803**	**0.9426**	**0.8734**	**0.8264**
27		5	**0.9515**	**0.8626**	**0.7130**	**0.6209**
28		7	**0.9327**	**0.8131**	**0.6227**	**0.5132**
29		9	**0.9143**	**0.7664**	**0.5439**	**0.4241**
30		10	**0.9053**	**0.7441**	**0.5083**	**0.3855**
31						
32		**Future Value Calculations**			**Present Value Calculations**	
33		Present Value	(1,200.00)		Future Value	$ (1,200.00)
34		Years	6		Years	6
35		Rate	11%		Rate	11%
36		Future Value	**$2,244.50**		Present Value	**$641.57**
37						
38		**Present Value of an Annuity**			**Future Value of an Annuity**	
39		Payment	(1,200)		Payment	(1,200)
40		Interest Rate	11%		Interest Rate	11%
41		Number of Payments	6		Number of Payments	6
42		Present Value	**$5,076.65**		Future Value	**$9,495.43**
43						
44		**Solving for *i* in an Annuity**			**Solving for N in an Annuity**	
45		Present Value	(35,000)		Present Value	$0
46		Future Value	0		Future Value	$25,000
47		Annual Payment	$ 4,500		Annual Payment	$1,715
48		Number of Years	10.00		Annual Rate	11.50%
49		Annual Rate	**4.85%**		Number of Years	**9.04**
50						
51		**Solving for an Annuity Payment**				
52		Present Value	0			
53		Future Value	40,000			
54		Number of Payments	10			
55		Interest Rate	11.00%			
56		Annual Payment Amo	**$2,392.06**			
57						
58		**Uneven Cash Flow Streams**			**Uneven Cash Flow Streams**	
59		Year	Cash Flow		Year	Cash Flow
60		1	700		0	(12,000.00)
61		2	1,700		1	700
62		3	3,000		2	1,700
63		4	4,000		3	3,000
64		5	5,000		4	4,000
65		Interest Rate	11.00%		5	5,000
66		Present Value	**$9,806.14**		Yield (or return)	**5.020%**
67		Future Value	**$16,523.92**			