Chapter 02 Using Financial Statements and Budgets

TRUEFALSE

1. The balance sheet shows an individual's financial condition as of the time the statement is prepared.
(A) True
(B) False
Answer: (A)
2. A budget is a financial report that forecasts an individual's current income as a percentage of his or her past earnings.
(A) True
(B) False
Answer: (B)
${f 3.}$ An income and expense statement provides a measure of financial performance over a period of time.
(A) True
(B) False
Answer: (A)
4. Einemeiel ulemning is processor which on individual comes also of many
4. Financial planning is necessary only if an individual earns a lot of money.
(A) True
(B) False
Answer: (B)
5. The preparation of an income and expense statement is the first step in the personal financial planning process.
(A) True
(B) False
Answer: (B)

6. Knowing how to prepare and interpret personal financial statements is a cornerstone of personal financial planning.
(A) True
(B) False
Answer: (A)
7 Financial plane provide direction to appual hudgets
7. Financial plans provide direction to annual budgets.
(A) True
(B) False
Answer: (A)
8. If an individual obtains a loan to purchase a car in June, this loan amount will be included as income for the month of June.
(A) True
(B) False
Answer: (B)
• An individually outs loop norments are listed as an expense on the income and expense statement
9. An individual's auto loan payments are listed as an expense on the income and expense statement.
(A) True
(B) False
Answer: (A)
10. If an individual lists his or her gross salary in the income portion of the budget, the expenditures section will include income taxes and social security taxes.
(A) True
(B) False
Answer: (A)
11. Net income (after taxes) should be used when preparing an income and expense statement.
(A) True
(B) False

12. It is best to prepare an individual's personal financial statements at least once a year, ideally when drawing up his or her budget.
(A) True
(B) False
Answer: (A)
13. It is recommended that an individual maintains a ledger to summarize all of his or her financial transactions.
(A) True
(B) False
Answer: (A)
14. An individual should prepare his or her personal financial statements once in five years.
(A) True
(B) False
Answer: (B)
15. An individual can maintain his or her personal financial statements using spreadsheet software.
(A) True
(B) False
Answer: (A)
16. An inability to reach short-term goals will significantly affect one's ability to reach long-term goals.
(A) True
(B) False
Answer: (A)
17. An individual is said to have a balanced budget when his or her total income for the year equals or exceeds his or her total expenditures for the year.

Answer: (B)

(A) True
(B) False
Answer: (A)
18. The best way to balance one's budget is to increase borrowing.
(A) True
(B) False
Answer: (B)
19. Budgeting and record keeping are the same.
(A) True
(B) False
Answer: (B)
20. Estimating expenses using actual expenses from previous years and tracking current expenses make the task of preparing a cash budget easier.
(A) True
(B) False
Answer: (A)
21. A cash budget has value only if one uses it, reviews it regularly, and keeps careful records of income and expenses.
(A) True
(B) False
Answer: (A)
22. In a budget, "fun money" is for family members to spend as they like without having to account for how it is spent.
(A) True
(B) False
Answer: (A)

23. Future value calculations to estimate the funds needed to meet a goal take compounding into account.
(A) True
(B) False
Answer: (A)

MULTICHOICE

- **24.** A balance sheet describes a person's:
- (A) financial position at a given point in time.
- (B) financial performance over a period of time.
- (C) financial performance at a given point in time.
- (D) financial goals over a specific period of time.
- (E) financial plans over a period of time.

Answer: (A)

- **25.** Which of the following is true of an individual's income and expense statement?
- (A) An individual's income and expense statement describes his or her financial position at a given point in time.
- (B) An individual's income and expense statement measures his or her financial performance at a given point in time.
- (C) An individual's income and expense statement describes his or her financial goals over a specific period of time.
- (D) An individual's income and expense statement measures his or her financial performance over a period of time.
- (E) An individual's income and expense statement describes his or her financial position over a period of time.

Answer: (D)

- **26.** Which of the following is true of a budget?
- (A) It shows the computation of the interest on a loan.
- (B) It is a schedule of personal investments.

(C) It is a list of prepaid expenses.
(D) It is a detailed financial forecast.
(E) It is a set of personal financial objectives.
Answer: (D)
27. A budget helps in:
(A) setting financial goals.
(B) calculating discounted cash flows.
(C) giving feedback on the progress of the set plan.
(D) monitoring and controlling spending.
(E) revising depreciation schedules.
Answer: (D)
28. Which of the following is true of budgets?
(A) Budgets are meant for poor people only.
(B) Budgets need expensive software to be effective.
(C) Budgets are forward looking.
(D) Budgets are permanent.
(E) Budgets are unnecessary.
Answer: (C)
29. Annual budgets help in monitoring and controlling income, living expenses, purchases, and savings on:
(A) a weekly basis.
(B) a yearly basis.
(C) a quarterly basis.
(D) a semi-annually basis.
(E) a monthly basis.
Answer: (B)

30. Which of the following is true of budgets? (A) Budgets are detailed forward looking financial reports based on expected income and expenses. (B) Budgets describe a person's financial position at a given point in time. (C) Budgets measure a person's financial performance at a given point in time. (D) Budgets describe a person's financial goals over a specific period of time. (E) Budgets are historical documents that tell an individual how he or she has performed in the past. **Answer:** (A) **31.** The three parts of an individual's balance sheet are his or her: (A) income, liabilities, and net worth. (B) assets, expenditures, and net worth. (C) assets, liabilities, and expenses. (D) assets, liabilities, and net worth. (E) income, liabilities, and assets. **Answer**: (D) **32.** Which of the following is listed as an asset on an individual's balance sheet? (A) Bank credit card balances (B) Education loans (C) Outstanding medical bills (D) Checking accounts (E) Leased automobiles Answer: (D) 33. When Phil lists his house on his balance sheet, he should record its: (A) actual purchase price. (B) depreciated value.

(C) insured value.

(D) deferred price.

(E) fair market value.
Answer: (E)
34. Your is an example of a liquid asset.
(A) home
(B) car
(C) checking account
(D) charge account
(E) life insurance cash value
Answer: (C)
35. Sam and his wife Ann purchased a home in Lubbock, Texas, in 1980 for \$100,000. Their original home mortgage payment was \$90,000. The house has a current market value of \$175,000 and a replacement value of \$200,000. They still owe \$55,000 of their home mortgage payment. In their current balance sheet, their home will be reflected as:
(A) a $$200,000$ asset for the replacement value and a $$55,000$ liability for the outstanding mortgage.
(B) a \$200,000 asset for the replacement value and a \$90,000 liability for the original mortgage.
(C) a \$175,000 asset for the market value and a \$55,000 liability for the outstanding mortgage.
(D) a \$175,000 asset for the market value and a \$90,000 liability for the original mortgage.
(E) a \$100,000 asset for the purchase price and a \$55,000 liability for the outstanding mortgage.
Answer: (C)
36. is an example of personal property.
(A) Jewelry
(B) A mutual fund
(C) A corporate bond
(D) A charge account
(E) A certificate of deposit
Answer: (A)
37. Which of the following is an example of real property?

(A) Machinery
(B) A computer
(C) An automobile
(D) A garage
(E) Office furniture
Answer: (D)
38. will be listed as a liability on your balance sheet.
(A) A money market deposit account
(B) A checking account
(C) Equipment
(D) The cash value of a life insurance policy
(E) An education loan
Answer: (E)
39. Loans should be recorded as a liability on the balance sheet at their:
(A) original outstanding balance.
(B) year-end outstanding balance.
(C) average outstanding balance.
(D) current outstanding balance.
(E) beginning outstanding balance.
Answer: (D)
40. Which of the following portions of a mortgage loan is recorded as a liability on the balance sheet?
(A) Interest only
(B) Sum of the interest paid and the outstanding balance
(C) Sum of the interest due and the outstanding balance
(D) Outstanding principal portion only
(E) Principal portion and interest paid

Answer: (D)
41. Sonny and Cher have a net worth of \$35,000 and total assets of \$200,000. If their revolving credit and unpaid bills total \$2,200, what will their long-term liabilities be?
(A) \$115,000
(B) \$140,000
(C) \$142,200
(D) \$162,800
(E) \$165,000
Answer: (D)
42. You are solvent if your:
(A) total liabilities exceed your total assets.
(B) total assets exceed your total liabilities.
(C) total assets exceed your equity.
(D) total liabilities exceed your equity.
(E) current liabilities exceed your current assets.
Answer: (B)
43. Which of the following is true of an individual's net worth?
(A) It is the sum of an individual's current assets and his or her current liabilities.
(B) It is the sum of an individual's take-home pay and his or her payroll taxes.
(C) It is the difference between an individual's current assets and his or her current liabilities.
(D) It is the difference between an individual's monthly income and his or her expenses.
(E) It is the difference between an individual's total assets and his or her total liabilities.
Answer: (E)
44. If your, your net worth on the balance sheet will increase from one period to the next.
(A) liabilities increase and assets remain constant
(B) liabilities increase and assets decrease

(C) assets increase and liabilities remain constant
(D) income and liabilities decrease
(E) liabilities and expenses increase
Answer: (C)
45. The income and expense statement examines your financial:
(A) obligations.
(B) performance.
(C) position.
(D) assets.
(E) objectives.
Answer: (B)
46. An income statement includes:
(A) income, liabilities, and net worth.
(B) income, expenses, and cash surplus or deficit.
(C) expenses, net worth, and cash surplus or deficit.
(D) net worth, surplus, and profit or loss.
(E) savings, surplus, and profit or loss.
Answer: (B)
47. You record on an income and expense statement.
(A) the value of your stock portfolio
(B) your installment loan balance
(C) your checking account balance
(D) your cash on hand
(E) your charitable payments
Answer: (E)
48. I should record on my income and expense statement for the period of January 1 to June

30.
(A) an \$800 refrigerator I bought on credit on May 30
(B) an outstanding education loan account
(C) jewelry I purchased with an arrangement to pay later
(D) my checking account balance
(E) the groceries I bought and paid for in June
Answer: (E)
49. A cash surplus on an income and expense statement prepared on a cash basis indicates that:
(A) the net worth is equal to zero.
(B) investments are less than the cash balance.
(C) the payments on debts are not met.
(D) the total expense is less than the total income.
(E) income and expense are equal.
Answer: (D)
50. If your statement of income and expense prepared on a cash basis shows a deficit, you have:
(A) increased your debts.
(B) liquidated your investments.
(C) increased your savings.
(D) taken a cash loan on your insurance.
(E) sold some securities.
Answer: (A)
51. When estimating income for the income and expense statement, you should:
(A) use gross income.
(B) include expected pay increases.
(C) adjust expenses for inflation.

(D) use net income less capitalized interest.

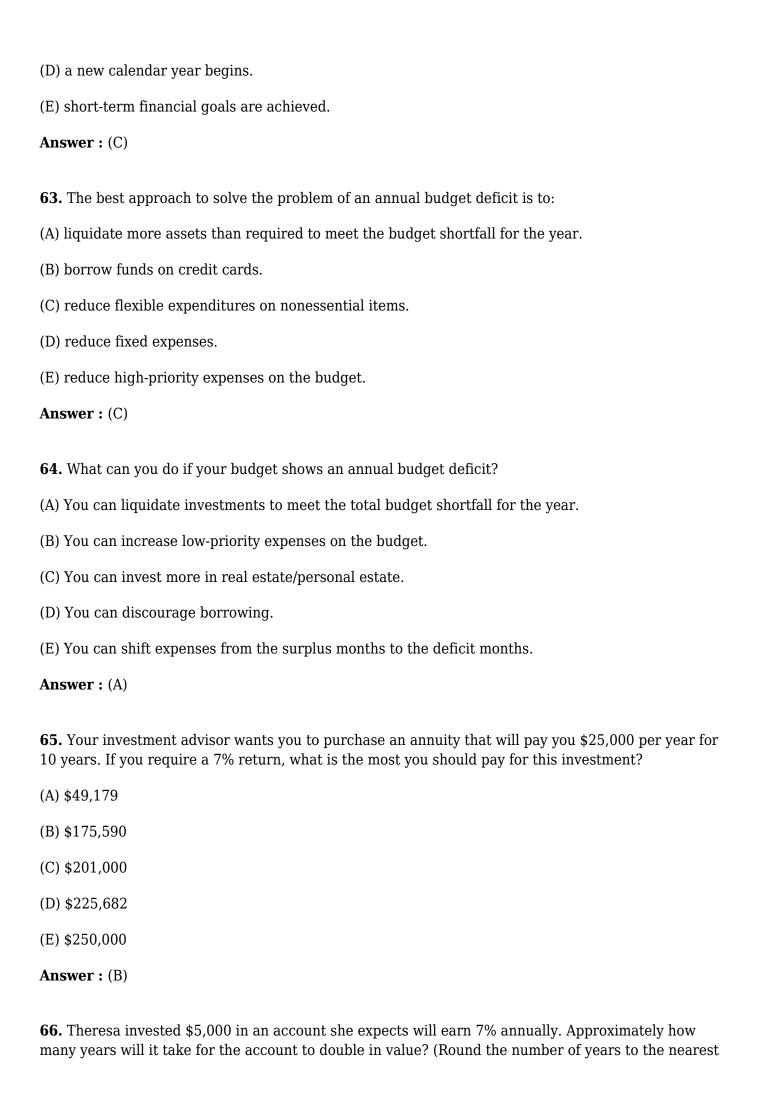
(E) use the income received and earned only.
Answer: (A)
52. If your liquid assets equal \$15,000 and your current debts equal \$50,000, your liquidity ratio is:
(A) 30%.
(B) 70%.
(C) 143%.
(D) 233%.
(E) 333%.
Answer: (A)
53. If your total assets equal \$87,000 and your total liabilities equal \$10,000, your solvency ratio is:
(A) 11.5%.
(B) 13.0%.
(C) 77.0%.
(D) 87.0%.
(E) 88.5%.
Answer: (E)
54. Which of the following ratios indicates your ability to meet current debt payments with existing assets that can be converted to cash readily?
(A) Solvency
(B) Liquidity
(C) Cash
(D) Savings
(E) Debt service
Answer: (B)
55. A savings ratio calculated from an income and expense statement represents the:
(A) percentage of gross income saved.

(B) ability to cover immediate debt when there is an interruption in income.
(C) percentage of after-tax income saved.
(D) percentage of tax-deferred income earned annually.
(E) percentage of asset value salvaged.
Answer: (C)
56. Assume that your total income for the current year is \$35,000. Your total expenses including taxes of \$5,000 is \$30,000. Your savings ratio is:
(A) 7.5%.
(B) 10.0%.
(C) 12.5%.
(D) 13.3%.
(E) 16.7%.
Answer: (E)
57. Jacques's total monthly loan payments amount to \$1,020, while his gross income is \$3,000 per month. What is his debt service ratio?
(A) 34%
(B) 43%
(C) 50%
(D) 75%
(E) 82%
Answer: (A)
58. Mike and Teresa have a monthly gross income of \$5,000. They pay \$1,000 per month toward taxes and \$2,000 per month toward various loans. What is their debt service ratio?
(A) 20%
(B) 30%
(C) 40%
(D) 50%
(E) 60%

59. Which of the following is a stage in preparing a cash budget?
(A) Calculating financial ratios
(B) Estimating expenses
(C) Calculating depreciation expenses
(D) Finalizing the balance sheet
(E) Preparing the bank reconciliation report
Answer: (B)
60. A cash budget helps you:
(A) monitor and control your finances.
(B) analyze your financial position.
(C) calculate your fixed assets ratio.
(D) calculate your investment turnover ratio.
(E) analyze the use of debt in a capital structure.
Answer: (A)
61. The Wilsons' short-term goals might include:
(A) setting up an emergency fund with three months' income.
(B) buying a house.
(C) sending the kids to college.
(D) planning to retire at the age of 60.
(E) going on a world tour.
Answer: (A)
62. There is a need for budget adjustments when:
(A) income is stable.
(B) account deficits and surpluses balance out.

(C) account deficits are more than surpluses.

Answer: (C)



whole number.)
(A) 8
(B) 9
(C) 10
(D) 11
(E) 12
Answer: (C)
67. Jamil invested \$9,500 in an account he expects will earn 5% annually. Approximately how many years will it take for the account to double in value? (Round off your answer to one decimal place.)
(A) 8.8
(B) 9.7
(C) 10.8
(D) 11.4
(E) 14.2
Answer: (E)
Answer: (E) 68. Phil has \$2,000, and he needs it to grow to \$4,000 in 8 years. Assuming he does not add any more money to this fund, what rate of interest would he need to earn? (Round off the rate of interest to the nearest whole number.)
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68. Phil has \$2,000, and he needs it to grow to \$4,000 in 8 years. Assuming he does not add any more money to this fund, what rate of interest would he need to earn? (Round off the rate of interest to the nearest whole number.) (A) 6%
68. Phil has \$2,000, and he needs it to grow to \$4,000 in 8 years. Assuming he does not add any more money to this fund, what rate of interest would he need to earn? (Round off the rate of interest to the nearest whole number.)(A) 6%(B) 7%
68. Phil has \$2,000, and he needs it to grow to \$4,000 in 8 years. Assuming he does not add any more money to this fund, what rate of interest would he need to earn? (Round off the rate of interest to the nearest whole number.) (A) 6% (B) 7% (C) 8%
68. Phil has \$2,000, and he needs it to grow to \$4,000 in 8 years. Assuming he does not add any more money to this fund, what rate of interest would he need to earn? (Round off the rate of interest to the nearest whole number.) (A) 6% (B) 7% (C) 8% (D) 9%
68. Phil has \$2,000, and he needs it to grow to \$4,000 in 8 years. Assuming he does not add any more money to this fund, what rate of interest would he need to earn? (Round off the rate of interest to the nearest whole number.) (A) 6% (B) 7% (C) 8% (D) 9% (E) 10%
68. Phil has \$2,000, and he needs it to grow to \$4,000 in 8 years. Assuming he does not add any more money to this fund, what rate of interest would he need to earn? (Round off the rate of interest to the nearest whole number.) (A) 6% (B) 7% (C) 8% (D) 9% (E) 10% Answer: (D) 69. Michael and Sandy purchased a home for \$100,000 five years ago. If its value appreciated at 6%

(C) \$130,000
(D) \$133,823
(E) \$135,603
Answer: (D)
70. Elena purchased a stamp collection for \$5,000 thirty years ago. If its value appreciated at 8% annually, what is it worth today? (Round the answer to the nearest unit place.)
(A) \$17,000
(B) \$36,400
(C) \$50,313
(D) \$123,023
(E) \$150,000
Answer: (C)
71. A balance sheet provides a statement of one's financial
(A) position
(B) performance
(C) goals
(D) ratios
Answer: (A)
72. The first step in financial planning is to
(A) define one's financial goals
(B) set up a budget
(C) calculate one's liquidity ratio
(D) prepare a trend analysis
Answer: (A)
73. A detailed forecast used to monitor and control expenses is called a(n)
(A) balance sheet

(B) profit and loss account
(C) budget
(D) income and expense statement
Answer: (C)
74. Ais an example of a liquid asset.
(A) fixed deposit of three years
(B) savings account
(C) recurring deposit of two years
(D) retirement account
Answer: (B)
75. A is an example of a tangible asset.
(A) house
(B) patent
(C) copyright
(D) trademark
Answer: (A)
76 Investment seeds one required to
76. Investment assets are required to
(A) be used in our everyday lives.
(B) increase productivity.
(C) provide a service.
(D) earn a return.
Answer: (D)
77. A(n) is an example of a current liability.
(A) auto loan
(B) credit card balance
(C) mortgage

(D) education loan
Answer: (B)
78. When your liabilities exceed your assets, you are
(A) solvent
(B) financially sound
(C) retired
(D) insolvent
Answer: (D)
79. When your assets exceed your liabilities, you are
(A) insolvent
(B) unable to meet your financial targets
(C) solvent
(D) in financial distress
Answer: (C)
80. Your car has a market value of \$4,000, while the balance of the loan against it is now \$2,500. Your ownership interest in the car is
(A) \$2,500
(B) \$4,000
(C) \$6,500
(D) \$1,500
Answer: (D)
81. Payments made on your loan obligations should your net worth.
(A) increase
(B) decrease
(C) maintain
(D) eliminate

Answer: (C)
82. The total amount of salary you earn before taxes are deducted is your
(A) gross pay
(B) after-tax salary
(C) take-home salary
(D) net pay
Answer: (A)
83. You bought a \$500 stereo on an installment plan and made two payments of \$75 each during the year. On your income and expense statement for the year, you will show an expense of
(A) \$150
(B) \$575
(C) \$650
(D) \$500
Answer: (A)
84 are difficult to estimate for an upcoming year.
(A) Interest payments
(B) Medical expenses
(C) Rent payments
(D) Insurance expenses
Answer: (B)
85. Total assets on your balance sheet are \$6,000 and liabilities are \$2,000. Your solvency ratio will be
(A) 30%
(B) 33%
(C) 67%
(D) 65%
Answer: (C)

86. The liquidity ratio is designed to show the percentage of current assets.	you can cover with your
(A) annual credit obligations	
(B) future years' credit obligations	
(C) long-term credit obligations	
(D) potential credit obligations	
Answer: (A)	
87. If your budget shows a deficit, you are required to	to balance your budget.
(A) increase your savings	
(B) increase your income	
(C) increase your expenses	
(D) increase your investments	
Answer: (B)	
88. A cash budget will have value only if it is actually used and $_$	
(A) records of actual income and expenses are kept	
(B) spending never deviates from the budgeted amount	
(C) it reflects actual financial position	
(D) it takes into account only credit transactions	
Answer: (A)	
89 is the most preferred way for one to deal with but	udget deficits.
(A) Liquidating one's savings and investments	
(B) Borrowing money from one's relatives	
(C) Cutting one's low-priority expenses	
(D) Increasing one's income	
Answer: (C)	
90. Once you define your financial goals, you can prupcoming year.	epare a cash budget for the

(A) semi-annual	
(B) short-term	
(C) quarterly	
(D) long-term	
Answer: (B)	
91	value is the value today of an amount to be received in the future.
(A) Present	
(B) Future	
(C) Intrinsic	
(D) Extrinsic	
Answer: (A)	
92. The process	s of finding present value is called
(A) discounting	
(B) calculating	
(C) compoundin	g
(D) computing	
Answer: (A)	
ESSAY	
	n have liquid assets of \$3,600 and other assets of \$42,800. Their total liabilities equal is their net worth? (Show all work.)
Graders Info :	
Net worth = To	tal assets - Total liabilitiesNet worth = (\$42,800 + \$3,600) ? \$26,000 = \$20,400

 $\bf 94.$ Rosa and Jose have liquid assets of \$5,000 and other assets of \$50,000. Their total liabilities equal \$26,000. What is their net worth? (Show all work.)

Graders Info:

Net worth = Total assets - Total liabilitiesNet worth = (\$50,000 + \$5,000) ? \$26,000 = \$29,000

95. Construct a balance sheet using the following information. Be sure the format is correct. (Show all work.)

Cash on hand	\$ 75
Bank credit card balance	1,200
Utility bill (overdue)	100
Auto loan balance	3,500
Mortgage	75,000
Primary residence	105,000
Jewelry	2,000
Stocks	17,500
Coin collection	2,500
2001 Toyota	7,500

Graders Info:

BAIANCE SHET					
Assets		Liabilities			
Cash on hand	\$ 75		Bank credit card balance	\$ 1,200	
		\$ 75	Utility bill (overdue)	100	
					\$ 1,300
Stocks	\$ 17,500				
		\$ 17,500			
Primary residence	\$ 105,000				
		\$ 105,000			
Auto vehicles: 2001 Toyota	\$ 7,500		T		
Jewelry	2,000			\$ 3,500	
Coin collection	2,500		Mortgage	75,000	
		\$ 12,000			\$ 78,500
(I)		\$ 134,575	(11)		\$ 79,800
					\$ 54,775
					\$ 134,575

96. Construct a balance sheet using the following information. Be sure the format is correct. (Show all work.)

,	
Cash on hand	\$ 500
Bank credit card balance	750
Taxes due	500
Utility bills (overdue)	120
Auto loan balance	6,000
Mortgage	45,000
Primary residence	60,000
Jewelry	1,200
Stocks	6,000
Coin collection	2,500
2001 Toyota	7,500
Auto payment	250

Graders Info:

BALANCE SHEET					
Cash on hand	\$ 500		Bank credit card balance	\$ 750	
		\$ 500	Utility bill (overdue)	120	
			Taxes due	500	
					\$ 1,370
Stocks	\$ 6,000				
		\$ 6,000			
Primary residence	\$ 60,000				1
		\$ 60,000			
2001 Toyota	\$ 7,500				
Jewelry	1,200		Auto loan balance	\$ 6,000	
Coin collection	2,500		Mortgage	45,000	
		\$ 11,200			\$ 51,000
(1)		\$ 77,700	(II)		\$ 52,370
					\$ 25,330
					¢ 77 700

97. The Harts spend 30% of their disposable income on housing, 5% on medical expenses, 25% on food, 10% on clothing, 14% on loan repayments, and 8% on entertainment. How much of their

disposable income is available for saving and investment? (Show all work.)

Graders Info:

The disposable income is 100%. The total outlays equal 92%, which is calculated by adding 30%, 5%, 25%, 10%, 14%, and 8%. Therefore, the total disposable income available for saving and investment = 100% - 92% = 8%.

98. Inflation is expected to be 4% in the coming year. If Mr. Gonza earned \$37,000 this year, how much must be earn in the following year to keep up with inflation and maintain a balance between his income and his increasing expenditures? (Show all work.)

Graders Info:

To keep up with an inflation of 4% in the coming year, Mr. Gonza must earn \$38,480. This is calculated as \$37,000 + (4 percent of \$37,000). Alternatively, this can also be calculated as $$37,000 \times 1.04 = $38,480$.

99. Inflation is expected to be 3% in the coming year. If Mr. Gonza earned \$45,000 this year, how much must be earn in the following year to keep up with inflation and maintain a balance between his income and his increasing expenditures? (Show all work.)

Graders Info:

To keep up with an inflation of 3% in the coming year, Mr. Gonza must earn \$46,350, which is calculated as \$45,000 + (3 percent of \$45,000). Alternatively, this can also be calculated as $$45,000 \times 1.03 = $46,350$.

100. Jamie wants to have \$1,000,000 for her retirement in 25 years. How much should she save annually if she expects to earn 10% on her investments?

Graders Info:

In the financial calculator, input the value of FV as 1000000, N as 25, i as 10, we compute the value of PMT equal to 10168.07. Hence, Jamie should save \$10,168.07.

101. The Hamptons want to have \$1,750,000 for their retirement in 30 years. How much should they save annually if they expect to earn 8% on their investments?

Graders Info:

The future value that the Hamptons want equals \$1,750,000. The time left for retirement is 30 years, and the interest rate is 8%. In the financial calculator, input the value of FV as 1750000, N as 30, i

as 8, we compute the value of PMT equal to 15448.01. Therefore, the present value of periodic payments equals \$15,448.01.

102. The Flemings will need \$80,000 annually for 20 years during their retirement. How much will they need at retirement if they can earn a 4% rate of interest on their investment?

Graders Info:

In the financial calculator, input the value of PMT as 80000, N as 20, i as 4, we compute the value of PV equal to 1087226.11. Therefore, the Flemings will need \$1,087,226.11 at retirement.