Name_____

MULTIPLE CHOICE. Choose the one alternative that best completes the statement or answers the question.

	e present value for the gi 1) A = \$4900, 8 years r = 8% compounded qu	ven future amount. Rous	nd to the nearest cent.		1)	
	A) \$2299.90	B) \$2647.32	C) \$9234.25	D) \$2600.10		
	and no annual fee. Ban	s offer credit cards. Bank 2 k Y charges 1.1% per mor e is \$600. Which bank's ca e. B) Bank X	nth with an annual fee of ard is the better choice fo	\$60. Suppose your	2)	
Find the APR (true annual interest rate), to the nearest half percent, for the following loan. 3) Amount Financed = \$2300 Finance Charge = \$260 Number of Monthly Payments = 24 A) 11.5% B) 10% C) 11% D) 10.5%						
The following problem involves adjustable-rate mortgage. You will need a table of monthly payments.4) Harry has a 1-year ARM for \$75,000 over a 25-year term. The margin is 2%, and the index rate starts out at 8.5% and increases to 10% at the first adjustment. The balance of principal at the end of the first year is \$74,113.56. Find the amount of interest owed for the first month of the second year.A) \$731.25B) \$741.14C) \$674.79D) None of the above is correct.						
Solve the problem.5) The monthly payment on a(n) \$99,000 loan at 12% annual interest is \$1090.08. How much of the first monthly payment will go toward interest?A) \$130.80B) \$959.19C) \$1188.00D) \$990.00						

Solve the problem. If necessary, refer to the table below.

Monthly Payments to	Repay Principal an	d Interest on a \$1000 Mortgage
	- F · J · · F · · ·	

Term of Mortgage (Years)								
Annual Rate (r)	5	10	15	20	25	30		
8.0%	\$20.27639	\$12.13276	\$9.55652	\$8.36440	\$7.71816	\$7.33765		
8.5%	20.51653	12.39857	9.84740	8.67823	8.05227	7.68913		
9.0%	20.75836	12.66758	10.14267	8.99726	8.39196	8.04623		
9.5%	21.00186	12.93976	10.44225	9.32131	8.73697	8.40854		
10.0%	21.24704	13.21507	10.74605	9.65022	9.08701	8.77572		
10.5%	21.49390	13.49350	11.05399	9.98380	9.44182	9.14739		
11.0%	21.74242	13.77500	11.36597	10.32188	9.80113	9.52323		
11.5%	21.99261	14.05954	11.68190	10.66430	10.16469	9.90291		
12.0%	22.24445	14.34709	12.00168	11.01086	10.53224	10.28613		
 6) In order to purchase a home, a family borrows \$65,000 at an annual interest rate of 11%, to be paid back over a 30-year period in equal monthly payments. How much interest will they pay over the 30-year period? Round to the nearest dollar. A) \$215,694 B) \$445,867 C) \$222,844 D) \$157,844 							6)	
back o	over a 15–ye	ear period in	equal mon		nts. What is	s their mont	t rate of 9%, to be paid thly payment?	7)
A) \$30.00B) \$608.56C) \$667.67D) \$450.00The following problem involves adjustable-rate mortgage. You will need a table of monthly payments.8) Harry has a 1-year ARM for \$85,000 over a 30-year term. The margin is 2%, and the index rate starts out at 8.5% and increases to 10% at the first adjustment. The balance of principal at the end of the first year is \$74,113.56. Find the amount of monthly payment for the first month of the first year.A) \$689.42B) \$777.53C) \$718.14D) None of the above is correct.							8)	

Solve the problem. If necessary, refer to the table below.

Monthly Payments to Repay Principal and Interest on a \$1000 Mortgage

Term of Mortgage (Years)								
Annual Rate (r)	5	10	15	20	25	30		
8.0%	\$20.27639	\$12.13276	\$9.55652	\$8.36440	\$7.71816	\$7.33765		
8.5%	20.51653	12.39857	9.84740	8.67823	8.05227	7.68913		
9.0%	20.75836	12.66758	10.14267	8.99726	8.39196	8.04623		
9.5%	21.00186	12.93976	10.44225	9.32131	8.73697	8.40854		
10.0%	21.24704	13.21507	10.74605	9.65022	9.08701	8.77572		
10.5%	21.49390	13.49350	11.05399	9.98380	9.44182	9.14739		
11.0%	21.74242	13.77500	11.36597	10.32188	9.80113	9.52323		
11.5%	21.99261	14.05954	11.68190	10.66430	10.16469	9.90291		
12.0%	22.24445	14.34709	12.00168	11.01086	10.53224	10.28613		

9) Constance Hairston obtains a 20-year, \$133,750 mortgage at 11% on a house selling for \$159,000. Her monthly payment, including principal and interest, is \$1380.55. How much of the total cost will be interest? D) 40 40/ C) (1.00/D) 57.9%

A) 59.6%	B) 40.4%	C) 61.9%	D)
----------	----------	----------	----

9) _____

Solve the problem. If necessary, use the table of monthly payments below. Round your answer to the nearest cent.

Monthly Payments to Repay Principal and Interest on a \$1000 Mortgage

Annual Rate (r)	5	10	15	20	25	30	
8.0%	\$20.27639	\$12.13276	\$9.55652	\$8.36440	\$7.71816	\$7.33765	
8.5%	20.51653	12.39857	9.84740	8.67823	8.05227	7.68913	
9.0%	20.75836	12.66758	10.14267	8.99726	8.39196	8.04623	
9.5%	21.00186	12.93976	10.44225	9.32131	8.73697	8.40854	
10.0%	21.24704	13.21507	10.74605	9.65022	9.08701	8.77572	
10.5%	21.49390	13.49350	11.05399	9.98380	9.44182	9.14739	
11.0%	21.74242	13.77500	11.36597	10.32188	9.80113	9.52323	
11.5%	21.99261	14.05954	11.68190	10.66430	10.16469	9.90291	
12.0%	22.24445	14.34709	12.00168	11.01086	10.53224	10.28613	
10) Find the monthly payment needed to amortize principal and interest for the following fixed-rate							
mortgage.							

Mortgage amount: \$195,100

Term of mortgage: 5 years Interest rate: 8.5% A) \$4049.96

//0			
	B) \$2418.96	C) \$3955.92	D) \$<4002.78

Solve the problem. If necessary, refer to the table below.

Monthly Payments to Repay Principal and Interest on a \$1000 Mortgage

Term of Mortgage (Years)								
Annual Rate (r)	5	10	15	20	25	30		
8.0%	\$20.27639	\$12.13276	\$9.55652	\$8.36440	\$7.71816	\$7.33765		
8.5%	20.51653	12.39857	9.84740	8.67823	8.05227	7.68913		
9.0%	20.75836	12.66758	10.14267	8.99726	8.39196	8.04623		
9.5%	21.00186	12.93976	10.44225	9.32131	8.73697	8.40854		
10.0%	21.24704	13.21507	10.74605	9.65022	9.08701	8.77572		
10.5%	21.49390	13.49350	11.05399	9.98380	9.44182	9.14739		
11.0%	21.74242	13.77500	11.36597	10.32188	9.80113	9.52323		
11.5%	21.99261	14.05954	11.68190	10.66430	10.16469	9.90291		
12.0%	22.24445	14.34709	12.00168	11.01086	10.53224	10.28613		

11) For the fixed-rate mortgage below, determine the portion of the total monthly payment which is 11) _____ income-tax deductible. Round your answer to the nearest dollar.

Amount of mortgage:	\$142,000
Term of mortgage:	25 years
Interest rate:	7.0%
Annual property tax:	\$1025
Annual insurance:	\$620
Owner's income tax bracket	: 30%
A) \$1079	B) \$914

C) \$965

D) \$880

10) _____

12) In order to purchase a home equal monthly payments. W if the annual interest rate is A) 14.1%; 5.9%	Vhat percentage of the	first monthly payme	over a 25-year period in ent goes toward the principal D) 86.4%; 94.9%	12)
The following problem involves adju 13) Harry has a 1-year ARM fo starts out at 8.5% and increa the first year is \$74,113.56. F A) \$674.79 C) \$656.25	r \$75,000 over a 25-ye ases to 10% at the first	ear term. The margin i adjustment. The bala	is 2%, and the index rate ince of principal at the end of st month of the first year.	13)
Solve the problem. 14) Complete the first month of Mortgage: \$78,000 Interest rate: 8.5% Term of loan: 15 years	the amortization sch	edule for the followin	g fixed rate mortgage:	14)
<u>Amortization Schedule</u> Payment Total <u>Number Payment</u> 1 \$768.10 (a)_		incipal Balance o yment Principal (c)	f	
A) (a) \$552.50 (b) \$243.80 (c) \$77,756.20	B) (a) \$552.50 (b) \$215.60 (c) \$77,784.40	C) (a) \$539.39 (b) \$228.70 (c) \$77,771.30	D) (a) \$552.50 (b) \$215.60 (c) \$77,447.50	
new monthly payment. A) \$503.42	55,400 for 25 years. T	he index rate is 7.5% a . Using the adjusted b B) \$415.50	and the margin is 2.5%. After balance of \$53,896.88, find the	15)
C) \$469.54		D) None of the a	above is correct.	
Find the APR (true annual interest ra 16) Amount Financed = \$7200 Finance Charge = \$2230 Number of Monthly Payme		If percent, for the foll	lowing loan.	16)
A) 11.5%	B) 12%	C) 11%	D) 10.5%	
17) Amount Financed = \$3400 Finance Charge = \$470 Number of Monthly Payme A) 8%	nts = 36 B) 8.5%	C) 9%	D) 9.5%	17)
18) Amount Financed = \$1200 Finance Charge = \$90				18)
Number of Monthly Payme A) 13.5%	nts = 12 B) 12%	C) 13%	D) 12.5%	

	19) Amount Financed = \$1200				19)
	Finance Charge = \$90				
	Number of Monthly Payme		C) 100/	D) 10 50/	
	A) 12.5%	B) 12%	C) 13%	D) 13.5%	
					20)
	20) Amount Financed = $$7200$				20)
	Finance Charge = \$2230				
	Number of Monthly Payme			D) 110/	
	A) 10.5%	B) 11.5%	C) 12%	D) 11%	
	21) Amount Financed = \$2300				21)
	-				21)
	Finance Charge = \$260				
	Number of Monthly Payme		() 110/	D) 10 E0/	
	A) 11.5%	B) 10%	C) 11%	D) 10.5%	
	22) Amount Financed = \$3400				22)
	Finance Charge = $$470$				22)
	-	onto 26			
	Number of Monthly Payme		$C) \otimes E^{0/2}$	D) 00/	
	A) 8%	B) 9.5%	C) 8.5%	D) 9%	
	23) Amount Financed = \$7200				23)
	Finance Charge = $$2230$				20)
	Number of Monthly Payme	ontc = 60			
		B) 11.5%	C) 11%	D) 10.5%	
	A) 12%	D) 11.370	C) 11 /0	D) 10.5 %	
	24) Amount Financed = \$2300				24)
	Finance Charge = $$260$				
	Number of Monthly Payme	ents – 24			
	A) 10%	B) 10.5%	C) 11.5%	D) 11%	
	11) 10/0	<i>D</i>) 10.070	C) 11.070	<i>D</i>) 11/0	
Find t	he APR (true annual interest 1	ate), to the nearest half p	ercent, for the following.		
	25) A homeowner installed a n			d then paid 36	25)
	monthly payments of \$115.	÷.	-	-	,
	A) 8.5%	B) 8.0%	C) 10.0%	D) 9.0%	
		2) 01070	0) 1010/0	2) 710 70	
	26) Amount financed: \$7300				26)
	Monthly payment: \$188.67				20)
	Number of payments: 48				
	A) 11%	B) 8%	C) 12%	D) 9%	
	A) 1170	D) 070	C) 1270	D) 778	
	27) A college student purchase	d a used car for \$5000 He	paid 15% down and then	paid 18 monthly	27)
	payments of \$258.19. Deter		-		
	A) 10.0%	B) 12.5%	C) 13.0%	D) 11.5%	
	11) 10.070	<i>b</i> ₁ 12.570	Cj 10.070	<i>L</i>) 11.070	
	28) A student has a total of \$40	00 in student loans that w	vill be paid with a 48-mon	th installment loan	28)
	with monthly payments of		-		
	percent.	,	r or the roun to the neuro	tone mun of u	
	A) 8.0%	B) 9.5%	C) 7.5%	D) 8.5%	
	11, 0.070	<i>DJJ</i> . <i>U</i> /0	C) 7.070	D / 0.0 /0	

	monthly payments of \$6		PR of the loan to the near	6 down and then paid 12 est one-half of a percent.	29)
	A) 10.0%	B) 8.5%	C) 13.0%	D) 12.0%	
30	-	own and then paid 60		gnostic equipment for 6.91. Determine the APR of	30)
	the loan to the nearest of A) 10.0%	B) 13.0%	C) 11.5%	D) 10.5%	
31	1) Amount financed: \$3200 Monthly payment: \$148. Number of payments: 24	40			31)
	A) 12%	B) 14%	C) 10.5%	D) 9.5%	
32	2) A college student purch payments of \$206.55. De A) 11.5%		000. He paid 15% down ar e loan to the nearest one- C) 12.5%	-	32)
33	3) Amount financed: \$3600 Monthly payment: \$166. Number of payments: 24	95			33)
	A) 10.5%	B) 12%	C) 14%	D) 9.5%	
34	 A student has a total of s with monthly payments percent. 		that will be paid with a 4 the APR of the loan to the		34)
	A) 7.5%	B) 8.5%	C) 9.5%	D) 8.0%	
	e problem. 5) An item is purchased for Find the monthly payme	-	made.	a finance charge of \$100.	35)
	A) \$62.50 C) \$87.50		B) \$66.67 D) None of the al	bove is correct.	
36	6) An item is purchased fo Find the monthly payme A) \$115.67 C) \$147.22	-	-	a finance charge of \$1100.	36)
37			payment of \$3000. There	is a finance charge of \$2000.	37)
	C) #110.07				
38	B) An item is purchased fothe monthly payment if	-	-	inance charge of \$30. Find	38)

	Find the m	 An item is purchased for \$2500 with a down payment of \$500. There is a finance charge of \$150. Find the monthly payment if 20 payments are made. A) \$107.50 B) \$100.00 				39)
	C) \$132.5	50		D) None of the abo	ove is correct.	
			0,000 with a down pay		ent of \$3000. There is a finance charge of \$2000.	
	A) \$116.6			B) \$200.00	B) \$200.00	
	C) \$150.0	00		D) None of the abo	ove is correct.	
			00 with a down paym payments are made.	ent of \$50. There is a fin	ance charge of \$30. Find	41)
	A) \$75			B) \$78		
	C) \$83			D) None of the abo	ove is correct.	
	42) An item is purchased for \$2500 with a down payment of \$500. There is a finance charge of \$150. Find the monthly payment if 20 payments are made.					42)
	A) \$100.0		1 7	B) \$107.50		
	C) \$132.5	50		D) None of the abo	ove is correct.	
		-		nent of \$500. There is a : de	finance charge of \$100.	43)
	Find the monthly payment if 24 payments are mad A) \$62.50			B) \$66.67		
	C) \$87.50			D) None of the abo	ove is correct.	
		onthly payment i 67	200 with a down payr if 36 payments are ma		finance charge of \$1100. ove is correct.	44)
Solve	-		ercentage Rate Table half percent, for the fo	-		45)
	Purchase	Down Paymer	nt Add-on	# of Payments		
	Price		Interest Rate			
	\$5000	\$500	5%	24		
	A) 9%		B) 8.5%	C) 9.5%	D) 8%	
	46) Find the Al Purchase	PR to the nearest Down Paymen	half percent, for the for the fort the	ollowing data. # of Payments		46)
		Down Paymen		# of Fayments		
	Price \$7300	¢2500	Interest Rate 6%	12		
	\$7300 A) 11.0%	\$2500	B) 11.5%	C) 12.0%	D) 10.5%	
	A) 11.0%	,	/0	C) 12.070	0/ 10.5 /0	
	47) Find the Al	PR to the nearest	half percent, for the fe	ollowing data.		47)
	Purchase	Down Payment	-	t of Payments		
	Price	2	Interest Rate	-		
	\$6500	\$2950	5%	48		
	A) 8.5%		B) 9.5%	C) 10.0%	D) 9.0%	

	Down Payment	Add-on	# of Payments		
Price		Interest Rate			
\$3500	\$500	7%	18		
A) 14.0%	.]	B) 12.5%	C) 12.0%	D) 13.0%	
49) Find the AI	PR to the nearest h	alf percent, for th	e following data.		49)
Purchase	Down Payment	Add-on	# of Payments		
Price		Interest Rate			
\$6500	\$2950	5%	48		
A) 9.0%]	B) 8.5%	C) 9.5%	D) 10.0%	
50) Find the AI	PR to the nearest h	alf percent, for th	e following data.		50)
Purchase	Down Payment	Add-on	# of Payments		
Price	-	Interest Rate			
\$5000	\$500	5%	24		
A) 8.5%]	B) 9%	C) 9.5%	D) 8%	
51) Find the AI	PR to the nearest h	alf percent, for th	e following data.		51)
Purchase	Down Payment	Add-on	# of Payments		
Price	<u>,</u>	Interest Rate	5		
\$7300	\$2500	6%	12		
A) 12.0%		B) 10.5%	C) 11.5%	D) 11.0%	
52) Find the AI	PR to the nearest h	alf percent, for th	e following data		52)
	Down Payment	Add-on	# of Payments		
Price	Downruyment	Interest Rate	" of i dyniends		
\$3500	\$500	7%	18		
A) 13.0%		B) 12.5%	C) 12.0%	D) 14.0%	
			,	,	
53) Find the AI	PR to the nearest h	alf percent, for th	e following data.		53) _
Purchase	Down Payment	Add-on	# of Payments		
Price		Interest Rate			
\$7300	\$2500	6%	12		
A) 10.5%]	B) 11.0%	C) 12.0%	D) 11.5%	
54) Find the AI	PR to the nearest h	alf percent, for th	e following data.		54)
Purchase	Down Payment	Add-on	# of Payments		
Price	-	Interest Rate	-		
\$6500	\$2950	5%	48		
A) 8.5%		B) 10.0%	C) 9.0%	D) 9.5%	
the problem. R	ound to the neare	st cent.			
55) On October	1, the unpaid bal	ance in an accoun	nt was \$114. No payments w	vere made that month.	55)

A) \$1.60 B) \$1.50 C) \$1.46 D) \$1.74

during Jul Jul	July 5 billing date, the following mor y 6 Payment y 19 Charge: au gust 1 Charge: clo	nth were: \$281.80 to repair \$350 othing \$122.27		edit card. The transactions	56)
		-	Using the average daily	balance method, find the	
A) \$1		t 5 (July has 31 days). B) \$12.37	C) \$12.41	D) \$12.52	
Find the finance of account.	harge on the ope	n-end charge account.	Assume interest is calc	ulated on the unpaid balanc	e of the
	Balance Month	ly Interest Rate			57)
\$912.60		1.39%			
A) \$1	2.69	B) \$9.75	C) \$8.12	D) \$15.22	
Solve the probler	ı.				
58) On the transac Jar Jar Fel The inte	January 25 billing ions during the fo uary 26 Charge uary 27 Paymen pruary 16 Charge: erest rate on the ca	ollowing month were: : curtains \$331 it \$132.62 tires \$206.81 ard is 1.1% per month.	0 0 1	er credit card. The balance method, find the	58)
	-	ry 25 (January has 31 c	-	D) ¢1 07	
A) \$6	.23	B) \$6.33	C) \$6.28	D) \$1.97	
Deceml	paid balance in an per 18. The finance charge for the mo	account on December	1 was \$174. A payment per month of the averag C) \$1.55		59)
Salva tha problar					
Solve the problem.60) The unpaid balance in an account at the beginning of December was \$222. A payment of \$70 was made on December 20. No new purchases were made in December. The finance charge rate was 1.1% per month of the average daily balance. Find the new balance at the end of December. A) \$154.0960)A) \$154.09B) \$154.14C) \$153.10D) \$173.44					
61) Jerry's l fees.	3ank charges 1.2%	per month on the ave	rage daily balance as we	ll as the following special	61)
Late pa Over th One mo over the	yment fee: \$30 e credit limit fee: \$ onth Jerry was on e credit limit. He a or the month. Find	vacation and did not g Ilso used his card for 7	et his account payment i \$150 cash advances. His	n on time and also went average daily balance was ount balance next month. D) \$91.25	

62) Annette has a bank card. Her billing date is July 4. The balance due at that date was \$870. She sent a payment of \$400, which the bank received on July 12. She made a new purchase for \$200 on July 31. What will the finance charge be for August 4 if the bank charges 1.25% per month and uses the average daily balance method?				
A) \$8.38	B) \$10.88	C) \$7.79	D) \$7.49	
63) Bill makes a \$167.33 per interest rate?	month payment for 3 yea		n. What was the add-on	63)
A) 10.3% C) 16.9%		B) 8.5% D) None of the abov	ve is correct.	
64) The unpaid balance in an account on May 1 was \$221. A purchase of \$27 was made on May 8. A \$80 payment was made on May 22. The finance charge rate was 1.25% per month of the average daily balance. Find the new balance at the end of May.				
A) \$222.23	B) \$142.19	C) \$169.25	D) \$170.70	
down payment of \$340.	65) Joe is buying some kitchen equipment for his new apartment. The total cost is \$3400 and he places a down payment of \$340. There is add-on interest of 9%. What is the total amount to be repaid if he takes 5 years to pay for the purchase?			
A) \$3335.40	-	B) \$4437.00		
C) \$140,760.00		D) None of the above	ve is correct.	
66) Jerry's Bank charges 1.3° fees.	% per month on the avera	ge daily balance as well	as the following special	66)
Cash advance fee: 2.5%	minimum of \$2 and max	imum of \$10}		
Late payment fee: \$30				
Over the credit limit fee	\$35			
over the credit limit. He	vacation and did not get also used his card for 7 \$ d the total of all charges v B) \$132.85	150 cash advances. His a	verage daily balance was	
67) How many monthly pay	ments of \$100 are necess	ary to pay off a \$2500 loa	n if the add-on interest	67)
rate is 8%? A) 30 payments	B) 40 payments	C) 36 payments	D) 28 payments	
68) Barb is buying a new car for \$13,000. Her old car has a trade–in Value of \$2500. The dealer informs her that the financing charge is 7% add–on interest. If she wishes to take 2 years to pay off the car, what will be the total amount to be repaid?				
A) \$157,500.00	B) \$14,820.00	C) \$11,970.00	D) \$11,235.00	
an annual fee of \$X. What	ee. The Bank of Gurnee of at value of \$X would mak	ffers a credit card chargin	ng 1.25% per month and	69)
balance is usually \$1200 A) \$1.80	? B) \$4.90	C) \$21.60	D) \$23.80	

him 3 year(s) to pay for				
A) \$299.70	r nis purchase.	B) \$89,910.00		
C) \$899.10		D) None of the abo	ove is correct.	
71) On the April 25 billing	date, Malcolm had a bala	nce due of \$1621.44 on h	is credit card. The	71)
	e following month were:			
April 26 Payment	\$173.60			
April 30 Charge: la	awnmower \$320.88			
May 3 Charge: g	sift \$79.89			
May 7 Charge: f				
	e card is 1% per month. Us	sing the average daily ba	ance method, find the	
A) \$1642.35	B) \$2389.28	C) \$2389.83	D) \$2384.58	
A) \$1042.33	D) \$2309.20	C) \$2369.63	D) \$2304.30	
	balance in an account wa chase was made. The fina Find the new balance at th	nce charge rate was 1.15%	-	72)
A) \$220.28	B) \$229.15	C) \$230.43	D) \$190.28	
	-)+	-) +	_)+	
73) On the September 1 bil	ling date Martin had a b	alance due of \$987 19 on 1	his credit card. The	73)
-	e following month were:		lis cicuit cara. The	/3)
÷				
September 3 Pay				
	rge: airline ticket \$680.99			
September 22 Cha				
	rge: garden tiller \$211.56			
The interest rate on the			1 .1 1 /1 1.1	
		Using the average daily b	alance method, find the	
finance charge on Octo	ber 1 (September has 30 c	lays).		
			alance method, find the D) \$20.30	
finance charge on Octo A) \$20.11 d the simple interest. The rate	bber 1 (September has 30 c B) \$24.13	lays). C) \$19.79	D) \$20.30	30 days per
finance charge on Octo A) \$20.11 d the simple interest. The rate	ober 1 (September has 30 c B) \$24.13 e is an annual rate unless	lays). C) \$19.79	D) \$20.30	30 days per 74)
finance charge on Octo A) \$20.11 Id the simple interest. The rate onth.	ober 1 (September has 30 c B) \$24.13 e is an annual rate unless	lays). C) \$19.79	D) \$20.30	
finance charge on Octo A) \$20.11 ad the simple interest. The rate onth. 74) \$8000 at 6% for $2\frac{1}{2}$ yea A) \$120.00	ober 1 (September has 30 c B) \$24.13 e is an annual rate unless ars B) \$1200.00	lays). C) \$19.79 s otherwise noted. Assur	D) \$20.30 ne 365 days in a year and 3	74)
finance charge on Octo A) \$20.11 d the simple interest. The rate nth. 74) \$8000 at 6% for $2\frac{1}{2}$ yea A) \$120.00 75) \$2950 at 4% for 1 years	ober 1 (September has 30 c B) \$24.13 e is an annual rate unless ars B) \$1200.00	lays). C) \$19.79 s otherwise noted. Assur C) \$192.00	D) \$20.30 ne 365 days in a year and 3 D) \$3333.33	74)
finance charge on Octo A) \$20.11 d the simple interest. The rate nth. 74) \$8000 at 6% for $2\frac{1}{2}$ yea A) \$120.00	ober 1 (September has 30 c B) \$24.13 e is an annual rate unless ars B) \$1200.00	lays). C) \$19.79 s otherwise noted. Assur	D) \$20.30 ne 365 days in a year and 3	
finance charge on Octo A) \$20.11 ad the simple interest. The rate nth. 74) \$8000 at 6% for $2\frac{1}{2}$ yea A) \$120.00 75) \$2950 at 4% for 1 years A) \$118.00	ober 1 (September has 30 c B) \$24.13 e is an annual rate unless ars B) \$1200.00	lays). C) \$19.79 s otherwise noted. Assur C) \$192.00	D) \$20.30 ne 365 days in a year and 3 D) \$3333.33	74)
finance charge on Octo A) \$20.11 ad the simple interest. The rate onth. 74) \$8000 at 6% for $2\frac{1}{2}$ yea A) \$120.00 75) \$2950 at 4% for 1 years	ober 1 (September has 30 c B) \$24.13 e is an annual rate unless ars B) \$1200.00 5 B) \$11,800.00	lays). C) \$19.79 s otherwise noted. Assur C) \$192.00 C) \$737.50	D) \$20.30 ne 365 days in a year and 3 D) \$3333.33 D) \$11.80	74)
finance charge on Octo A) \$20.11 d the simple interest. The rate nth. 74) \$8000 at 6% for $2\frac{1}{2}$ yea A) \$120.00 75) \$2950 at 4% for 1 years A) \$118.00 ve the problem.	ober 1 (September has 30 c B) \$24.13 e is an annual rate unless ars B) \$1200.00 5 B) \$11,800.00	lays). C) \$19.79 s otherwise noted. Assur C) \$192.00 C) \$737.50	D) \$20.30 ne 365 days in a year and 3 D) \$3333.33 D) \$11.80	74) 75)
finance charge on Octo A) \$20.11 d the simple interest. The rate nth. 74) \$8000 at 6% for $2\frac{1}{2}$ yea A) \$120.00 75) \$2950 at 4% for 1 years A) \$118.00 ve the problem. 76) Use the rule of 70 to est A) 9 years	ober 1 (September has 30 d B) \$24.13 e is an annual rate unless mrs B) \$1200.00 B) \$11,800.00 timate the years to double B) 14 years	lays). C) \$19.79 s otherwise noted. Assur C) \$192.00 C) \$737.50 e for an annual inflation r C) 13 years	D) \$20.30 ne 365 days in a year and 3 D) \$3333.33 D) \$11.80 ate of 6%. D) 12 years	74) 75) 76)
finance charge on Octo A) \$20.11 ad the simple interest. The rate nth. 74) \$8000 at 6% for $2\frac{1}{2}$ yea A) \$120.00 75) \$2950 at 4% for 1 years A) \$118.00 we the problem. 76) Use the rule of 70 to est A) 9 years	ober 1 (September has 30 d B) \$24.13 e is an annual rate unless mrs B) \$1200.00 B) \$11,800.00 timate the years to double B) 14 years	lays). C) \$19.79 s otherwise noted. Assur C) \$192.00 C) \$737.50 e for an annual inflation r C) 13 years	D) \$20.30 ne 365 days in a year and 3 D) \$3333.33 D) \$11.80 ate of 6%. D) 12 years	74) 75) 76)
finance charge on Octo A) \$20.11 ad the simple interest. The rate nth. 74) \$8000 at 6% for $2\frac{1}{2}$ yea A) \$120.00 75) \$2950 at 4% for 1 years A) \$118.00 we the problem. 76) Use the rule of 70 to est	ober 1 (September has 30 d B) \$24.13 e is an annual rate unless urs B) \$1200.00 5 B) \$11,800.00 timate the years to double B) 14 years e is an annual rate unless	lays). C) \$19.79 s otherwise noted. Assur C) \$192.00 C) \$737.50 e for an annual inflation r C) 13 years	D) \$20.30 ne 365 days in a year and 3 D) \$3333.33 D) \$11.80 ate of 6%. D) 12 years	74) 75) 76)

Solve the problem. Assume that s unless otherwise indicated.				earest cent	
78) John Lee's savings accou interest be at 4.3% per ye		After 21 months, what w	vill the amount of	78)	
A) \$219.24	B) \$219.52	C) \$198.23	D) \$346.90		
Solve the problem. 79) \$8791 is deposited into a savings account at 8% interest, compounded annually. To the nearest year, how long will it take for the account balance to reach \$1,000,000?					
A) 86 years	B) 43 years	C) 62 years	D) 55 years		
Find the effective annual interest 0.01%.	-	l annual interest rate. R	ound your answers to the	e nearest	
80) 5% compounded semiar	-			80)	
A) 5.12%	B) 5.09%	C) 5.06%	D) 5.00%		
Solve the problem. Assume that so unless otherwise indicated. 81) John forgot to pay his \$4 the money was late. Find		The IRS charged a penal		earest cent 81)	
A) \$4.08	B) \$0.34	C) \$412.14	D) \$4.14		
Solve the problem. 82) The 2006 price of a certa Assume a constant annu with the 2006 price given A) \$34,837.17	al inflation rate of 2.2%. Gi	-	-	82)	
Find the future value of the depos	sit if the account pays sim	ple interest.			
83) \$2000 at 2.4% for 4 years				83)	
A) \$2192.00	B) \$2187.20	C) \$2240.00	D) \$2101.05		
Solve the problem. 84) Ellen invests her money	e		arterly and which gives	84)	
A) 4.12%	l of 4.18%. What is the nom B) 4.14%	C) 4.25%	D) 4.09%		
Find the present value for the give 85) A = \$4000, 12 years r = 4% compounded sen A) \$6433.75	en future amount. Round		D) \$2486.89	85)	
86) A = \$12,400, 3 years r = 4% compounded anr A) \$13,948.31		C) \$11,464.50	D) \$11,023.55	86)	
Use the compound interest formu 87) \$19,000 at 1% compound A) \$21,470.00	-	alue of the investment. C) \$21,623.77	D) \$21,280.00	87)	

Find the compound interest earned by the deposit. Round to the nearest cent. 88) \$300 at 3% compounded quarterly for 3 years					88)
	A) \$27.00	B) \$306.80	C) \$28.14	D) \$27.82	,
Solve	the problem. 89) The average cost of a 4–ye money should be invested A) \$12,914.17		·	20,000 in 15 years?	89)
Find t	he compound interest earned 90) \$4100 at 2.9% compounde A) \$594.50	, 1		D) \$306.00	90)
Find the simple interest. The rate is an annual rate unless otherwise noted. Assume 365 days in a year and 30 days p					
montł	n. 91) \$800 at 8% for 8 years A) \$51.20	B) \$512.00	C) \$800.00	D) \$12.50	91)
Use th	e compound interest formula 92) \$1100 at 1% compounded	monthly for 12 months		D) #1100.00	92)
	A) \$1239.51	B) \$1111.00	C) \$1111.05	D) \$1100.92	

Answer Key Testname: MTH_152_TEST4EXAMPLES_SHORTER

1) D 2) B	51) D 52) A
3) D	53) B
4) B	54) C
5) D	55) A
6) D	56) D
7) B	57) A
8) B	58) C
9) A	59) B
10) D	60) B
11) B	61) D
12) B	62) C
13) C	63) C
14) B	64) D
15) C	65) B
16) C	66) B
17) B	67) A
18) A	68) C
19) D	69) C
20) D	70) C
21) D	71) B
22) C	72) C
23) C	73) A
24) B	74) B
25) B	75) A
26) A	76) D
27) D	77) D
28) D	78) D
29) D	79) C
30) C	80) C
31) C	81) D
32) A	82) B
33) A	83) A
34) B 25) B	84) A
35) B 36) C	85) D
37) B	86) D 87) C
38) B	88) C
39) A	89) C
40) C	90) C
41) B	91) B
42) B	92) C
43) B	
44) C	
45) C	
46) A	
47) D	
48) D	
49) A	
50) C	