:	Class:	Date:
tudent Activ	g in Finance: Using Credit rity Sheet 10: Buying a Losing Investment	
tudent Activ	tey sheet for buying a cooling interaction	
ristina is cor	nsidering buying a new car with a sticker p	orice of \$23,599. Her credit union
ers her a th	ree-year car loan at 5.99% annual percent	age rate (APR) with 10% as a
wn payment	. Find the monthly payment.	
Variable	Definition of Variable	Value in Christina's Loan Situation
N	number of compounding periods	36
1%	annual interest rate	5,99
PV	principal, or present value	23599-235
PMT	amount of each regular payment	- 646.04
FV	future value	
P/Y	number of payments per year	12
CIY	number of compounding periods per year	/2
the end of t	will be worth \$14,250 in three years. When the loan? 3664604 + 23 mefit of this type of financing! What is the	359.90-(14250)
ristina consi	iders a different option. The dealership of	fers 0% down and 0% APR for two
	will be worth \$17,629 in two years.	3.29
	monthly payments be under these condition	ons? How much will the total cost
nat will the	Chuistian tales this land?	
nat will the the car be i	f Christina takes this loan?	23599711/629
the car be i	f Christina takes this loan?	23599 717629
the car be i	f Christina takes this loan? puld Christina take? Why? an offer to lease the same car for three ye	ears at \$349 per month. The lease
the car be in the loan should be in the loan	f Christina takes this loan? puld Christina take? Wh/?	ears at \$349 per month. The lease ars. What is the total cost of the
the car be i	f Christina takes this loan? puld Christina take? Why? an offer to lease the same car for three ye	ears at \$349 per month. The lease ars. What is the total cost of the

Student:	Class:	Date:	
Decision Making in Financy VI.D Student Activity Sheet 10			

5. What interest rate is Christina being charged for leasing the car?

Variable	Definition of Variable	Value in Christina's Leasing Situation
N	number of compounding periods	36
1%	annual interest rate	5.5
PV	principal, or present value	23599
PMT	amount of each regular payment	- 349'
FV	future value	- 14a50
P/Y	number of payments per year	12
C/Y	number of compounding periods per year	12

Should Christina take the lease? Why or why not?

6. The car manufacturer offers a lease-to-purchase option at 1.9% APR for three years. At the end of this option, Christina can keep the vehicle by paying the depreciated value or walk-away for a fee of \$150. What is the monthly payment of the lease-to-purchase option? What is the total cost of the purchase option if she walks away?

	the total cost of the nurchase ontion if	she walks away?
	the total cost of the purchase option if	36 %
Variable	Definition of Variable	Value in Christina's Lease-to-Purchase Situation
N	number of compounding periods	34
1%	annual interest rate	1.9
PV	principal, or present value	73599 43
PMT	amount of each regular payment	289
FV	future value	- 14250
PIY	number of payments per year	12
CIY	number of compounding periods per year	(2

Student:	Class:	Date:
Decision Making in Fi	(BANG) [[[[[[[[[[[[[[[[[[[
VI.D Student Activity Shee	et 10: Buying a Losing Investment	

- 7. **REFLECTION:** Which alternative should Christina choose: the loan, the lease, or the purchase option? Why?
- Christina works for a law firm and makes \$42,350 a year. Based on standard budgeting
 used in Student Activity Sheet 8 and using your choice in Question 7, can she afford the
 car? Explain your answer.
- 9. EXTENSION: Wanda wants to buy a new car for \$34,650. The bank will give her a car loan for five years at 4.5% APR with \$0 down payment. What will her monthly payment be?

Variable	Definition of Variable	Value in Wanda's Loan Situation
N	number of compounding periods	
1%	annual interest rate	
PV	principal, or present value	
PMT	amount of each regular payment	
FV	future value	
PIY	number of payments per year	
CIY	number of compounding periods per year	

a. Wanda's car will be worth \$18,935 in five years. The manufacturer offers a lease-to-purchase option at 7% APR. At the end of the purchase option, Wanda can keep the vehicle by paying the depreciated value or walk away for a fee of \$180. What will her monthly payment be?

Variable	Definition of Variable	Value in Wanda's Lease-to-Purchase Situation
N	number of compounding periods	
1%	annual interest rate	
PV	principal, or present value	40.00
PMT	amount of each regular payment	
FV	future value	
PIY	number of payments per year	1923
C/Y	number of compounding periods per year	
	The second secon	