Section 4.3 Worksheet Mathematical Models in Banking	Name_	
<ol> <li>A refrigerator costs \$1,250 cash. If monthly payments of \$60 each.</li> <li>a. What is the total cost of the</li> </ol>	t may be purchased for e refrigerator if you use	\$200 down and 24 easy the payment plan?
b. What are the finance charg	ges?	
c. What simple interest rate is	s being charged?	
2. Find the interest earned & maturity years if it is:	y value of an investmen	t of \$8,500 @ 8.5% for 3
a. compounded quarterly	Maturity Value	Interest
b. compounded monthly		
3. Find the interest earned & maturity 25 years if it is:	y value of an investmen	t of \$150,000 @ 5.25% for
a. compounded quarterly	Maturity Value	Interest
b. compounded monthly		
<ul><li>4. A man bought a computer printer and financed the balance at 18% sim for 12 months.</li><li>a. What is the amount of thes</li></ul>	for \$259. Instead of pay ple interest and agreed e monthly payments? _	ving cash, he paid \$19 down to make monthly payments
b. What will be the total cost	of the printer?	
5. Andrew borrowed \$1,580 at 12.5% was \$395. What was the time of this	6 interest. The simple in loan?	nterest charged on the loan
6. Jamie borrows \$1,500 for tuition t 5.25% interest. If the interest is calcumaturity value of the note?	his fall. She obtains a 9 alated using simple inter	-month note from the bank at rest, how much is the
7. Jose invested \$1,000 @ 6.5% inter	rest, compounded quart	erly for a term of 18 months.
a. What will the value of his	investment be at the end	l of this term?
b. What total amount of interest did t	the investment earn?	