## Algebra I Unit 5 Review

Label	Label each as odd or even.								
<b>1.</b> <i>y</i> =	$3x^{5} + 8$	}						<b>2.</b> $y = x^2$	
<b>3.</b> $y = -5x^8 + 8x + 1$								<b>4.</b> $y = \frac{1}{2}x^2 + 8$	
5.								6.	
Label	each a	as linea	ar, qua	adrati	c, or e	xpone	ntial. Th	nen write an equation for each function.	
7.									
X	-3	-2	-1	0	1	2	3	Linear, Quadratic, Exponential	
У	64	32	16	8	4	2	1	Equation: y=	
8.									
	-3	-2	-1	0	1	2	3	Linear, Quadratic, Exponential	
У	-20	-13	-6	1	8	15	22	Equation: y=	
9.								Lincer Quedrotic Europontial	
x	-3	-2	-1	0	1	2	3	Linear, Quadratic, Exponential	
У	9	4	1	0	1	4	9	Equation: y=	
Decid	Decide what type of function each of the following represents. Then write the equation.								
10. Paws has 30 members, each month they gain Linear, Quadratic, Exponential									
7 new	<sup>,</sup> memb	ers.					Equation: y=		
11. A bank account has \$100. Every month the									
accou	int ear	ns 5%	intere	st.	,				
								Equation: y=	

12. The school has 33 new calculators, each month 5 go missing.	Linear, Quadratic, Exponential
	Equation: y=
13. An apple tree produces 2 pounds of apples in its first year. After each year, the tree yields	Linear, Quadratic, Exponential
twice the initial amount.	Equation: y=

14. A market researcher tracks the number of people who visit a company's store each month. The table shows the data from the last five months of the year.

Months	Number of customers	A. Which type of function would model this situation?	
1	152		
2	303	B. Describe the approximate monthly growth demonstrated in the table using words.	
3	607		
4	1211	C. Assuming the growth rate was the same	
5	2443	for an entire year, give an estimate of the number of visitors to the store in month 7. Show work or explain	

