

Business Statistics Spring Midterm #2 Mathematical Modeling: Name _____ Period _____

QUESTION TWO: The chief financial officer of Regent Auto Dealers is projecting company sales for the next five years. As part of her sales analysis, she wants to examine various forecasts of future domestic auto sales. You are assigned the task of completing this table for domestic auto sales (abbreviate as “Auto Sales”). Reference time as “Quarters” in reporting your equations. In your sale forecasts, evaluate the models with a value for “quarters” rounded to nearest hundredth. Report each sales forecast to nearest integer.

Model	Date	R²	Equation In Context	Quarter Value (Nearest Hundredth)	Forecasted Auto Sales (Nearest Integer)
Linear					
Exponential					
Power					
Logarithmic					
Quadratic					

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