

Car Values – Then and Now

Name: _____

Date: _____

Directions: Use the website <https://www.cargurus.com/Cars/price-trends/> to research prices of various automobiles, then and now. Record the prices at the first and last dates and the change in time. Then, use that information to find the rate of depreciation (slope) and equation of the depreciation line ($y = mx + b$). Once you have the equation, answer the questions to predict the future value of the cars.

1) Subaru Forrester

Date	Value
9/23/15	

Date	Value
9/22/17	

Depreciation rate of car: _____

Equation of depreciation line: _____

What will the car be worth on 9/22/2020? _____

What will the car be worth on 9/22/2025? _____

2) Toyota Corolla

Date	Value
6/9/11	

Date	Value
6/2/17	

Depreciation rate of car: _____

Equation of depreciation line: _____

What will the car be worth on 6/5/2020? _____

What will the car be worth on 6/5/2025? _____

Consumer Math – Unit 5

3) Acura IXL

Date	Value
6/13/12	

Date	Value
6/11/17	

Depreciation rate of car: _____

Equation of depreciation line: _____

What will the car be worth on 6/12/2020? _____

What will the car be worth on 6/12/2025? _____

4) Chevrolet Cruz

Date	Value
11/18/10	

Date	Value
11/9/17	

Depreciation rate of car: _____

Equation of depreciation line: _____

What will the car be worth on 11/13/2020? _____

What will the car be worth on 11/13/2025? _____

Consumer Math – Unit 5

5) Honda Accord

Date	Value
7/16/11	

Date	Value
7/8/17	

Depreciation rate of car: _____

Equation of depreciation line: _____

What will the car be worth on 7/16/2020? _____

What will the car be worth on 7/12/2025? _____

6) Volkswagen Jetta

Date	Value
6/2/11	

Date	Value
6/22/17	

Depreciation rate of car: _____

Equation of depreciation line: _____

What will the car be worth on 6/13/2020? _____

What will the car be worth on 6/13/2025? _____