**![C:\Documents and Settings\kkelley\Local Settings\Temporary Internet Files\Content.IE5\I00G7SPA\MP900433172[1].jpg]()Independent Practice with Depreciation Problems**

Use equations, graph, or tables to find the solutions to the problems below.

1. A computer valued at $6500 depreciates at the rate of 14.3% per year. Write a function that models the value of the computer. Find the value of the computer after three years.
2. A new truck that sells for $29,000 depreciates 12% each year. Write a function that models the value of the truck. Find the value of the truck after 7 years.
3. A new car that sells for $18,000 depreciates 25% each year. Write a function that models the value of the car. Find the value of the car after 4 years.
4. You purchased a car for $19,500. The car will depreciate at a rate of 12% each year. Write a formula to represent the value of the car after x number of years. Find the value of the car after 4 years.
5. Each graph below shows the expected decrease in a car’s value over the next five years. Write a function to model each car’s depreciation. Determine which car will be worth more after 10 years.

