

Homework 1/16/13

Exploring Exponential Models

1. 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 yr.

Write an exponential function $y = ab^x$ for a graph that includes the given points.

2. $(0, 2), (1, 1.3)$

3. $(-1, 12.5), (4, 4.096)$

4. $(1, 0.84), (2, 1.008)$