Name	Date	Period
Integrated Math 3B Homework Week of May 14th, 20	018	
<b>7-43.</b> A rule-of-thumb used by car dealers is that the year. Homework Help	trade-in value of a car do	ecreases by 20% each
a. Explain how the phrase "decreases by 20% e exponentially with time (i.e., can be represen		
b. Suppose the initial value of your car is \$23,5 car as a function of the number of years from		xpressing the trade-in value of your
c. How much will your car be worth in four year	ars?	
d. What is the average rate of change in the valuaverage rate of change means in this context.		first four years? Explain what the
e. In how many years will the trade-in value of	your car be \$6000?	
f. If your car is really 2.7 years old now, what we	was its value when it was	new?