9-	3A Lesson Master	Questions on SPUR Objectives See Student Edition pages 656–659 for objectives.
	CABULARY	
1. A	Approximate e to the nearest millionth.	
2 . E	Evaluate to the nearest thousandth.	
а	$e^{2.8} \approx$ b. $e^{0.05} \approx$	c. $e^{-2} \approx$
3 . I	dentify whether <i>e</i> is a number of each type.	
а	. real b. rational	c. imaginary
	ROPERTIES Objective D Consider the function $f(t) = A \cdot e^{r \cdot t}$.	
a.	What does <i>A</i> represent?	b. $f(0) = $
C.	Give the domain and range of <i>f</i> .	
d.	For what values of r does the function mode	l exponential decay?
5. Y A	ES Objective G You save \$2400 from your summer job to help a bank offers a 2-year certificate of deposit with Write an expression for the final amount if the interest is compounded annually.	
b	. Write an expression for the final amount if the interest is compounded continuously.	
C	Suppose the interest rate is 2.25%. How mu you earn if the interest is compounded con than if it is compounded annually?	
il L	buprofen is a common pain medication. Typic buprofen I in your body t hours after you take O mg is given by $I = De^{-0.365t}$. Suppose you ta or a headache.	e an initial dose of
а	. How much ibuprofen is in your body after 3	30 minutes?
b	. About how long will it take for there to be o	only 100 mg in your body?
	A family bought a house in 2003 for \$200,000. Continuously at a rate of 4.5%, what will it be w	