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9	-7A Lesson N	laster	-	estions on SPUR Objectives n pages 656–659 for objectives.
	OCABULARY			
	and 2, write the exponenti- ice-versa.	al equation as a loga	rithmic equation,	
1.	<b>a.</b> $6^{-3} = \frac{1}{216}$	<b>b.</b> $8^{\frac{2}{3}} = 4$	C.	$b^n = p$
2.	<b>a.</b> $\log_3 81 = 4$	<b>b.</b> $\log_2 10 \approx 3.32$	22 C.	$\log_b c = d$
S	KILLS Objective A	l.		
In 3	3-5, evaluate in your head.	You may check with a	calculator.	
3.	$\log_5 25 =$	4. $\log_2 \frac{1}{16} =$	5.	$\log_7 \sqrt{7} =$
6.	Evaluate to the nearest tho	usandth.		
	a. log <sub>2</sub> 41.3 ≈	b. $\log_{0.6} 0.9 ≈$	C.	$\log_{12} 8.29 \approx$
	$\log_b 64 = 6$ Solve $3 \log_5 x + 2 = 8$ for $x$		$log_{\mathfrak{X}}\left(\frac{1}{8}\right) = -\frac{3}{4}$	
F	PROPERTIES Obj	ective E		
	Give the restrictions on $b$ a		$\log_b n.$	
13.	Fill in the Blank $If f(x) =$	$\log_{42} x$ when $x > 0$ , the	$\operatorname{hen} f^{-1}(x) = \underline{\qquad}$	
R	EPRESENTATIONS	) Objective K		
In 1	4 and 15, consider the gra	ohs of $f(x) = 3^x$ and g	$f(x) = \log_3 x.$	
14.	Graph each function at the on the graph of $f$ with their corresponding points on the function of $f$ with the function	coordinates, and the	nts	-5 0 5
15.	Name the asymptotes of ea	ich function.		