1-3B Lesson	Master	Questions on SPUR Objectives See Student Pages pages 66–69 for objectives		
VOCABULARY				
In 1–3, tell how each is rea	ıd.			
<b>1</b> . <i>f</i> ( <i>n</i> )				
$2. A: k \to \frac{k^3}{8}$				
<b>3.</b> $T(y) = 5 + \frac{15y}{113}$				
4. What is the argument	of the function in Question	2?		
5. What is the value of th	e function in Question 2 w	hen $k = 6$ ?		
<b>SKILLS</b> Objectiv In 6 and 7, evaluate each f	unction when $d = -5$ .	./ []		
In 6 and 7, evaluate each f 6. $g(d) = 12d + 31$ In 8–10, suppose $B(x) = 2x$	Function when $d = -5$ . $7$ $x^2 - x$ . Evaluate the functi			
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In 6 and 7, evaluate each f 6. $g(d) = 12d + 31$ In 8–10, suppose $B(x) = 2x$	Function when $d = -5$ . $7$ $x^2 - x$ . Evaluate the functi	on for the given value of <i>x</i> .		
In 6 and 7, evaluate each f 6. $g(d) = 12d + 31$ In 8-10, suppose $B(x) = 2x$ 8. $B(4)$ 11. Let $g(x) = \sqrt{100 - x^2}$ .	Function when $d = -5$ . $7$ $x^2 - x$ . Evaluate the functi	on for the given value of x.          10. B(-2.5)		
In 6 and 7, evaluate each f 6. $g(d) = 12d + 31$ In 8-10, suppose $B(x) = 2x$ 8. $B(4)$ 11. Let $g(x) = \sqrt{100 - x^2}$ . a. Rewrite the function	Function when $d = -5$ . $x^2 - x$ . Evaluate the functi $9$ . $B(\frac{1}{2})$ using mapping notation.	on for the given value of x.          10. B(-2.5)		
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In 6 and 7, evaluate each f 6. $g(d) = 12d + 31$ In 8-10, suppose $B(x) = 2x$ 8. $B(4)$ 11. Let $g(x) = \sqrt{100 - x^2}$ . a. Rewrite the function b. $g: 7 \rightarrow$ 12. Let $b: w \rightarrow \frac{w}{8w + 5}$ .	Function when $d = -5$ . $x^2 - x$ . Evaluate the function $g$ . $B(\frac{1}{2})$ using mapping notation c. $g: 0 \rightarrow$	•••         ••         ••         ••         ••         ••         ••         ••         ••         ••         ••         ••         ••         ••     <		

## Name

## 1-3B

page 2

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U	SES) Objective J					
13.	A plumber charges \$80 per service call plus \$65 per hour or fraction thereof.					
	a. Describe this situation as a function using Euler's notation.					
	<b>b.</b> Describe this situation as a function using mapping notation.					
	<b>c.</b> How much does the plumber earn for a $5\frac{1}{2}$ -hour service call?					
14.	Let <i>n</i> = the number of sides of a regular polygon and $M(n)$ = the measure of an interior angle of the polygon in degrees. Then $M(n) = \frac{180(n-2)}{n}$ .					
	<b>a</b> . Find the measure of an interior angle of a regular octagon.					
15.	<ul> <li>b. The measure of an interior angle of a regular polygon How many sides does the polygon have?</li></ul>	terest each				
	year. The function $f(n) = 3000(1.04)^n$ gives the amount of will have in the account after <i>n</i> years if she leaves the mothe account.	•				
	<b>a</b> . Complete the table. Round to the nearest dollar.	n	<i>f</i> ( <i>n</i> )	f(n) - f(n-1)		
_	<b>b</b> . How much money will be in Jazmin's account after	0	\$3000			
	4 years?	1	\$3120	\$120		
		2	\$3245	\$125		
	<b>c</b> . Explain in words what the figures in the column on the right show.	3				
		4				
		5				
-	d. Why is one cell of the table gray?	6				
	u. Truy is one cen of the table gray:	7				