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Main Ideas/Questions	Notes/Examples				
OPERATIONS	You can add, subtract, multiply, and divide functions.				
with FUNCTIONS	Example: If $f(x) = 3x - 7$ and $g(x) = 13 - 2x$, find $f(x) = 3x - 7$		3 - 2 x, find $f(x) + g(x)$:		
	This new function	is denoted as			
ALL	SUM	(f+g)(x)=			
OPERATIONS	DIFFERENCE	(f-g)(x) =			
	PRODUCT	$(f \cdot g)(x) =$	JANE THE Y		
	*QUOTIENT	$\left(\frac{f}{g}\right)(x) =$			
Directions: Given $f(x) =$ Indicate any restrictions in		x - 3, and $h(x) = x + 2$, find each function.		
1. (f+g)(x)		2. (f-h)(x)			
$3. (h \cdot g)(x)$		a(f)			
		$4. \left(\frac{f}{h}\right)(x)$			
		0 , $(f \cdot g)(z)$	at a		
$\int \mathfrak{D}_{s}\left(\frac{h}{g}\right)(z)$	$\mathcal{D}_{\bullet}\left(\frac{h}{-}\right)(x)$		*		

Directions: Given $f(x) = 2x^2 - x - 12$ and $g(x) = 2x^2 - x - 12$	x + 7, find each function value.
7. $(f+g)(-2)$	8. $(f-g)(8)$
	Market Services .
9. $(f \cdot g)(-1)$	
	$10. \left(\frac{f}{g} \right) (5)$
	(8)
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Directions: Given $f(x) = x^3 + 8$, $g(x) = x - 1$, and	
Directions: Given $f(x) = x^3 + 8$, $g(x) = x - 1$, and 11. $(f \circ g)(x)$	d $h(x) = 5x - 3$, find each function. 12. $(h \circ g)(x)$
11. $(f \circ g)(x)$	12. $(h \circ g)(x)$
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11. $(f \circ g)(x)$ 13. $(f \circ h)(x)$	12. $(h \circ g)(x)$ 14. $(g \circ f)(x)$
13. $(f \circ h)(x)$ Directions: Using the same functions above, find each of the same functions above.	12. $(h \circ g)(x)$ 14. $(g \circ f)(x)$ ch function value.
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