LESSON 5.5: PERFORMING FUNCTION OPERATIONS

Homework: _____

	SUM	**DIFFERENCE**	**PRODUCT**	**QUOTIENT**
	$(f+g)(x) =$ $f(x)+g(x)$	$(f-g)(x) =$ $f(x)-g(x)$	$(f \cdot g)(x) =$ $f(x) \cdot g(x)$	$(f \div g)(x) = \frac{f(x)}{g(x)}$
$f(x) = 3x + 4$ $g(x) = 5 + x$				
Domain				
$f(x) = x^2 + 3$ $g(x) = x - 4$				
Domain				

Problems for Left

Find $f(x) + g(x), f(x) - g(x), f(x) \cdot g(x), f(x) \div g(x)$ and state the domain. Then evaluate.

$$f(x) = 2x; g(x) = -3x^{\frac{1}{2}}; x = 25$$