Name: Period:

Practice:
Function Operations & Composition

First Score:	First attempt due:	Final Score:
	Final corrections due:	

Perform the indicated operation and simplify completely. Show all work to get credit.

$f(x) = 10x$	$g(x) = -5x$	$h(x) = 8$	$j(x) = -10$

1] $(f + j)(x) =$

2] $(f - g)(x) =$

3] $(g \cdot h)(x) =$

4] $\left(\frac{g}{j}\right)(x) =$

5] $(h - g)(5) =$

6] $(f \cdot g)(-1) =$

$f(x) = 6x + 4$	$g(x) = 4 - 6x$	$h(x) = 2x$	$j(x) = -2$

7] $(f + g)(x) =$

8] $(f - g)(x) =$

9] $(f \cdot j)(x) =$

10] $\left(\frac{g}{j}\right)(x) =$

11] $(h - g)\left(\frac{1}{2}\right) =$

12] $(f \cdot g)\left(-\frac{1}{6}\right) =$

$f(x) = x^2$	$g(x) = 10x + 5$	$h(x) = \sqrt{x}$	$j(x) = 5$

13] $(f + g)(x) =$

14] $(f - g)(x) =$

15] $(f \cdot j)(x) =$

16] $\left(\frac{g}{j}\right)(x) =$

17] $(h + j)(49) =$

18] $(f \cdot h)(4) =$