

Lesson 3.8 HW - Building Functions

#1-4 Use $f(x) = 8x - 5$ and $h(x) = x + 4$

1. $f(x) + h(x)$

2. $h(x) - f(x)$

3. $h(3) + f(0)$

4. $f(-2) - h(5)$

#5-6 Use $g(x) = 5^x - 1$ and $e(x) = -4x + 7$

5. $g(x) + e(x)$

6. $g(x) - e(x)$

#7-10 Complete the table below and then use it to answer the questions that follow.

7. $r(2) * s(0)$

8. $\frac{r(-1)}{s(1)}$

9. $3(r(0)) * s(-2)$

10. $5(s(4)) * s(-1)$

x	$r(x) = -x + 9$	$s(x) = 2x$
-2		
-1		
0		
1		
2		