

Name _____

Date _____

Advanced Algebra
Unit 2: Family of Functions
Function Operations
Assignment #15

Let $f(x) = x - 4$ and $g(x) = -x + 6$

1. $f(3) + g(3)$ $-1 + 3$ ②	2. $f(2) * g(2)$ $(-2) * 4$ ② -8
3. $f(g(2))$ $f(4)$ ①	4. $f(1) - g(1)$ $-3 - 5$ ② -8
5. $f(5) * g(5)$ $1 * 1$ ①	6. $g(f(0))$ $g(-4)$ $-(-4) + 6$ ① 10
7. $-3f(3)$ $-3(-1)$ ③	8. $\frac{f(-4)}{g(-4)}$ ② $\frac{-8}{10}$

<p>9. $g(f(1))$</p> <p>$g(-3)$</p> <p>9</p>	<p>10. $10 + g(6)$</p> <p>$10 + 0$</p> <p>10</p>
<p>11. $\frac{f(4)}{g(4)}$</p> <p>$\frac{0}{2} = 0$</p>	<p>12. $f(g(-3))$</p> <p>$f(9)$</p> <p>5</p>

To help you with the above, remember from the other side we know the functions are given by:

Let $f(x) = x - 4$ and $g(x) = -x + 6$