

UB SAT 2009  
Homework #10  
Functions  
*Due: Mon, Mar 16*

Given  $f(x) = x^2 - 3$ ,  $g(x) = 3 + x$ , and  $h(x) = \sqrt{x - 2}$ , evaluate the following.

1.  $f(3)$

2.  $f(-3)$

3.  $g(5)$

4.  $h(6)$

5.  $g(-3)$

6.  $h\left(\frac{19}{9}\right)$

7.  $f(7) - g(22)$

8.  $g(-3) + h(3)$

9.  $\frac{g(-2)}{f(-2)}$

10.  $f(g(1))$

11.  $g(h(18))$

12.  $h(f(3))$