

Math 1450, Honor Calculus Practice 1, Fall 2015.

August 26, 2015

PSID: _____ Name: _____

1. $f(x) = x - 2$, $g(x) = x^2 + 3x + 4$. Find $g \circ f$ and its domain.

2. Find the domain of function $f(x) = \sqrt{x} + \sqrt[3]{x}$.

3. Let $f(x) = x + 4$ and $h(x) = 4x - 1$. Find function g such that $g \circ f = h$.

4. Suppose f and g are odd functions. Are $f + g$ and fg odd? Explain it!