

Math 0030 April 6, 2007 Homework 25

Text problems: 11.4 # 11, 15, 17, 23, 25, 27, 41, 43, 45

Consider the functions $f(x) = 2x - 5$ $h(x) = x^2 + x$ $g(x) = \frac{2}{x}$

Compute the following:

1) $(f + g)(5) =$

2) $f(g(1)) =$

3) $g(f(1)) =$

4) $f(h(3)) =$

5) $g(h(-4)) =$

6) $f(f(6)) =$

7) $g(g(-4)) =$

8) $(h \circ f)(4) =$

9) $(f \circ f \circ f)(5) =$

10) $(g \circ f)(Z) =$