

Composition of Functions WS

Date _____ Period _____

For each problem, use the following functions:

$$f(x) = 4x + 8$$

$$g(x) = 2x - 1$$

$$h(x) = -x^2 + 2$$

$$m(x) = x^3 - 3x + 1$$

1) $f(2)$

2) $m(-1)$

3) $f(x) + g(x) - h(x)$

4) $f(x) \cdot m(x)$

Evaluate the composition of functions:

5) $f(g(2))$

6) $h(g(-1))$

7) $m(f(-2))$

8) $g(m(2))$

9) $h(g(-3))$

10) $h(m(0))$