

Composition of Functions Practice 2

Simplify each composition

$$f(x) = x - 4$$

$$g(x) = 8x - 2$$

$$h(x) = -4x + 3$$

1.

$$f(g(x))$$

$$f(g(x)) = (\quad) - 4$$

2.

$$f(h(x))$$

3.

$$g(h(x))$$

$$g(h(x)) = 8(\quad) - 2$$

4.

$$h(f(x))$$

Composition of Functions Practice 2

Simplify each product

$$k(x) = x + 3$$

$$m(x) = 5x - 8$$

$$p(x) = 7x + 6$$

5.

$$m(k(x))$$

$$m(k(x)) = 5(\text{_____}) - 8$$

6.

$$k(p(x))$$

7.

$$p(m(x))$$

8.

$$m(p(x))$$