

Composition of Functions Practice 3

Simplify each composition

1.

$$g(x) = x + 5$$

$$f(x) = x + 2$$

$$g(f(x))$$

2.

$$f(x) = x + 6$$

$$g(x) = 3x - 1$$

$$f(g(x))$$

3.

$$g(x) = 3x + 2$$

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

$$g(h(x))$$

4.

$$f(x) = 2x - 3$$

$$g(x) = 8x + 10$$

$$f(g(x))$$

5.

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

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

$$h(g(x))$$

6.

$$g(x) = -9x + 4$$

$$f(x) = 4x - 2$$

$$g(f(x))$$