

Name:

Date:

*I can read and use composition of functions, with linear functions only, in order to simplify an output when I am given an input. **WS G***

$$f(x) = 3x - 9$$

$$g(x) = 5x$$

$$h(x) = \frac{1}{3}x + 12$$

$$k(x) = 20x + 1$$

Compute the following:

$$h(f(x))$$

$$g(f(k(x)))$$

$$k(g(x))$$

$$h(f(g(x)))$$

$$f(g(k(x)))$$

$$f(h(g(x)))$$

$$f(k(x))$$

$$k(g(f(x)))$$