

Alg2 – Function Composition, due Tuesday 9/12

For the following functions,

$$f(x) = x - 5 \quad g(x) = -3x - 4 \quad h(x) = 2x^2 - 3 \quad i(x) = x + 3$$

Find the requested combination function, and substitute $x = 3$ to check your answer.

1. $(f \cdot g)(x)$

2. $(f \circ g)(x)$

3. $(g \circ f)(x)$

4. $(g \circ h)(x)$