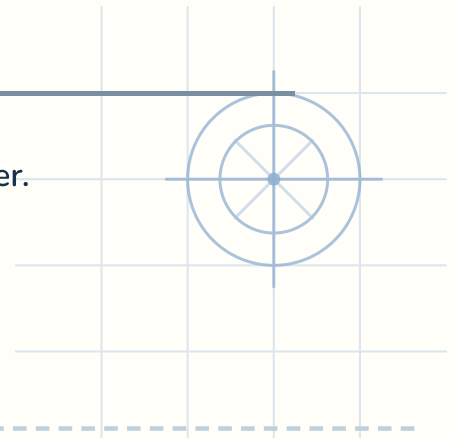


Function notation — Evaluating and composing functions

Name: _____

Date: _____

Work out the value each function asks for — some are inside another.



1 $f(x) = 9x - 9$ $f(9) =$ _____

2 $f(x) = -x + 1$ $g(x) = 2x - 7$ $f(g(-4)) =$ _____

3 $f(x) = 5x + 19$ $f(-3) =$ _____

4 $f(x) = x - 5$ $g(x) = -3x + 4$ $f(g(3)) =$ _____

5 $f(x) = 5x$ $g(x) = -x + 6$ $f(g(4)) =$ _____

6 $f(x) = 7x - 3$ $f(-6) =$ _____



Function notation · Evaluating and composing functions

— Answer key

1. $f(x) = 9x - 9$ $f(9) = 72$

2. $f(x) = -x + 1$ $g(x) = 2x - 7$
 $f(g(-4)) = 16$

3. $f(x) = 5x + 19$ $f(-3) = 4$

4. $f(x) = x - 5$ $g(x) = -3x + 4$
 $f(g(3)) = -10$

5. $f(x) = 5x$ $g(x) = -x + 6$
 $f(g(4)) = 10$

6. $f(x) = 7x - 3$ $f(-6) = -45$

