

Copyright © 2014 Pearson Education, Inc. All rights reserved.

$f(x) = 2x + 1$, $g(x) = x^2 - 3$, $h(x) = 4 - x$. Evaluate.

Problem	Answer	Problem	Answer
1. $f(g(2))$		6. $f(f(3))$	
2. $g(f(2))$		7. $h(g(0))$	
3. $f(h(-1))$		8. $g(h(5))$	
4. $h(f(-1))$		9. $f(g(-3))$	
5. $g(g(1))$		10. $h(h(7))$	

Notes

Answer key — Composition of functions

#	Problem	Answer
1	$f(g(2))$	3
2	$g(f(2))$	22
3	$f(h(-1))$	11
4	$h(f(-1))$	5
5	$g(g(1))$	1
6	$f(f(3))$	15
7	$h(g(0))$	7
8	$g(h(5))$	-2
9	$f(g(-3))$	13
10	$h(h(7))$	7

Notes