

Name _____ Date _____ Pd _____

5.5b Operations with Functions DAY TWO CYU

Use when you get it right all by yourself

S Use when you did it all by yourself, but made a silly mistake

H Use when you could do it alone with a little help from teacher or peer

G Use when you completed the problem in a group

X Use when a question was attempted but wrong (get help)

N Use when a question was not even attempted

CONCEPTS	BASIC	INTERMEDIATE	ADVANCED
Composition of Functions		1 - 7	
Evaluating Functions	1 - 7		
Domain of functions			1 - 7

Perform the indicated composition of functions. Restrict the domain. Finally evaluate for the value given.

1. $g(n) = -4n - 4$
 $h(n) = n^2 + 5 + n$
 Find $(g \circ h)(n)$

$(g \circ h)(3)$

2. $h(n) = n^2 - 5$
 $g(n) = -4n + 5$
 Find $(h \circ g)(n)$

$(h \circ g)(-2)$

3. $g(a) = 3a - 4$
 Find $(g \circ g)(a)$
 $(g \circ g)(0)$

4. $h(n) = 2n + 2$
 $g(n) = 2n$
 Find $(h \circ g)(n)$

$(h \circ g)(-1)$

5. $f(n) = -4n + 1$
 $g(n) = -2n - 5$
 Find $(f \circ g)(n)$

$(f \circ g)(3)$

6. $h(a) = 2a + 3$
 $g(a) = a^2 + 2a$
 Find $(h \circ g)(a)$
 $(h \circ g)(1)$

7. $f(t) = 2t + 5$
 $g(t) = t^3 - 2t^2$
 Find $(f \circ g)(t)$
 $(f \circ g)(0)$

CYU Reflection: *How far can you go: basic, intermediate, or advanced?*

Rate your mastery level!

How confident are you with the skills this CYU covered? Circle the score you would give yourself

