Nam Date_	ne			
g(x))	an	d g	g(f	(x)

Advanced Algebra

Unit 2: Family of Functions

Composition of Functions:

Assignment #13

## For the following problems, find f(g

1)	f(x) = x+1	and $g(x) = 2$
fo	g	

gof			
0 -			

2) 
$$f(x) = 2x+1$$
 and  $g(x) = x-3$ 

fog			

3) 
$$f(x) = x^2$$
 and  $g(x) = x-1$ 





4) 
$$f(x) = x^2-1$$
 and  $g(x) = x+2$ 

fog			

5) $f(x) = x-3$ and $g(x) = x+3$	5)	f(x) = x-3	and $g(x) = x+3$
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gof

6) 
$$f(x) = -x^2 - 1$$
 and  $g(x) = x + 5$ 

fog			

gof

7) Find f(x) and g(x) such that  $f(g(x)) = (x+1)^2$ 

What is f(x)?

What is g(x)?