MATH 102, Spring 2023 **Name:** _____
In class work 10 **Row and Seat**: _____

"I like maxims that don't encourage behavior modification." BILL WATTERSON

In class work 10 has questions 1 through 3 with a total of 14 points. This assignment is due at the end of the class period (9:55 AM). This assignment is printed on **both** sides of the paper.

1. Given that $f(x) = 2x + 3$ and $g(x) = 1 - x$, find the *numerical value* of each of the following

2 (a) $f \circ g(4)$

2 (b) $g \circ f(4)$

2 (c) $g \circ g(0)$

2 2. Given that $f(x) = 2x + 3$ and $g(x) = 1 - x$, find a formula for $f \circ g$.

3. A table of values for functions f and g are

x	$f(x)$
0	3
1	2
2	1
3	0

x	$g(x)$
0	1
1	3
2	2
3	0

Find the *numerical values* of

2 (a) $f \circ g(1)$

2 (b) $g \circ f(1)$

2 (c) Using only the values from the table, find the solution to the equation $g \circ g(x) = 2$.