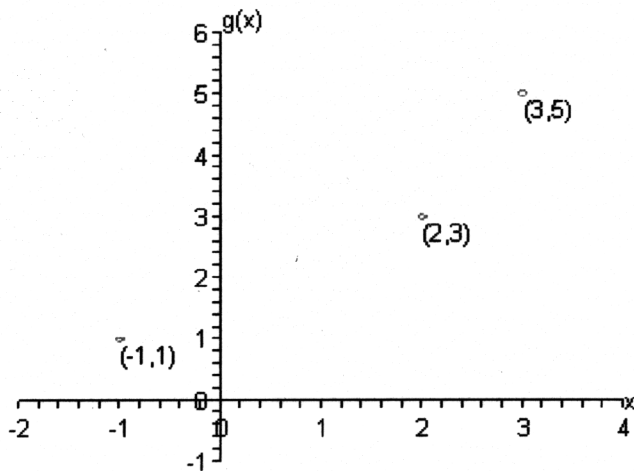


Name: ANSWER KEY

Score: _____

Let $h(x) = 4 - x$. Use h , the table (for f), and the graph (for g) to evaluate the expressions.

x	2	3	4	5	6
$f(x)$	-1	0	1	2	3



$$(a) (g \circ f^{-1})(-1) = g(f^{-1}(-1)) = g(2) = \boxed{3}$$

$$(b) (h^{-1} \circ f \circ g^{-1})(3) = h^{-1}(f(g^{-1}(3))) = h^{-1}(f(2)) = h^{-1}(-1) = 4 - (-1) = \boxed{5}$$

$$h(x) = y = 4 - x \Rightarrow x = 4 - y \Rightarrow h^{-1}(x) = y = 4 - x$$