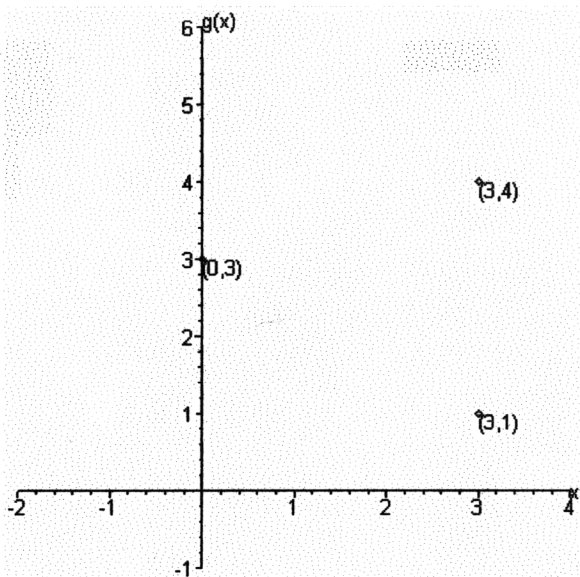


Name: ANSWER KEY

Score: _____

Let $h(x) = x^2$. Use h , the table, and the graph to evaluate the expressions.

x	-2	-1	0	1	2
$f(x)$	2	0	9	4	5



$$h(x) = x^2$$

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

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

$$(b) (g^{-1} \circ h^{-1} \circ f)(0) = g^{-1}(h^{-1}(f(0))) = g^{-1}(h^{-1}(9)) = g^{-1}(3) = \boxed{0}$$