

Function operations

Directions: Complete the table where there is sufficient information.

	$x = -4$	$x = -2$	$x = -1$	$x = 0$	$x = 1$	$x = 2$	$x = 4$
$f(x)$	-4	0	-1	-2	2	4	1
$g(x)$	8	16	32	48	56	64	72
$(f(x))^{-1}$	-1/4					1/4	
$f^{-1}(x)$					4	1	2
$h(x) = (g \circ f)(x)$		48					
$k(x) = (f + g)(x)$			31				
$l(x) = (f - g)(x)$				-50			
$m(x) = (fg)(x)$					112		
$n(x) = (f/g)(x)$						1/16	

What is the domain $f(x)$?

What is the range $f(x)$?