

Übung zur Verkettung von Funktionen

	$f \circ g(x) = f(g(x)) =$	$g \circ f(x) = g(f(x)) =$
$f(x) = x^2 ; g(x) = 3x$		
$f(x) = \sin x ; g(x) = x^2$		
$f(x) = \cos x ; g(x) = 2x + 1$		
	$(\sin x)^4$	
		$(2x + 4)^2$
$f(x) = \frac{1}{x} ; g(x) = \sqrt{5x^2}$		
$f(x) = \sqrt{x^2 - 1} ; g(x) = \sqrt{x^2 - 1}$		
	$\left(\frac{x+1}{x-2}\right)^3$	