

Fill in the Blanks

Composite One-Step Functions

Question	Input	1 st Function	2 nd Function	Output	Answer
$f(x) = 5x$ $g(x) = x + 2$ Find $fg(x)$	x →	+2 →	$\times 5$ →	$fg(x)$	$fg(x) = 5(x + 2)$
$f(x) = 5x$ $g(x) = x + 2$ Find $gf(x)$	x →	$\times 5$ →	+2 →		
$f(x) = x - 1$ $g(x) = x^2$ Find $fg(x)$	x →	square →			
$f(x) = x + 3$ $g(x) = \sqrt{x}$ Find $gf(x)$	x →				
$f(x) = \frac{x}{2}$ $g(x) = x + 7$ Find $fg(x)$	x →				
$g(x) = x - 4$ $h(x) = \sqrt{x}$ Find $gh(x)$	x →				
$f(x) = \frac{1}{x}$ $g(x) = x^2$ Find $gf(x)$	x →				