

Fill in the Blanks

Two-Step Functions

Input	Function Machine		Output	Function
x	$\times 3$	$+8$	$f(x)$	$f(x) = 3x + 8$
x	$\times 5$	-1	$f(x)$	$f(x) = 5x - 1$
x	$\times 2$	-7	$g(x)$	$g(x) = 2x - 7$
x	-1	$\times 4$	$f(x)$	$f(x) = 4(x - 1)$
x	$\div 3$	$+2$	$h(x)$	$h(x) = \frac{x}{3} + 2$
x	$\div 2$	-5	$f(x)$	$f(x) = \frac{x}{2} - 5$
x	$+7$	$\div 4$	$f(x)$	$f(x) = \frac{x + 7}{4}$
x	square	$+3$	$g(x)$	$g(x) = x^2 + 3$
x	$+2$	square root	$f(x)$	$f(x) = \sqrt{x + 2}$
x	square	$\times 10$	$f(x)$	$f(x) = 10x^2$
x	square root	$+8$	$g(x)$	$g(x) = \sqrt{x} + 8$
x	cube	$\div 2$	$h(x)$	$h(x) = \frac{x^3}{2}$
x	reciprocal	$+8$	$f(x)$	$f(x) = \frac{1}{x} + 8$