



Fill In The Blanks...



Three-Step Functions

Input	Function Machine			Output	Function
x →	× 3 →	-1 →	÷ 4 →	$f(x)$	$f(x) = \frac{3x - 1}{4}$
x →	+2 →	÷ 3 →	square root →	$f(x)$	$f(x) = \sqrt{\frac{x+2}{3}}$
x →	+3 →	square →	-5 →	$h(x)$	$h(x) = (x + 3)^2 - 5$
x →	square root →	× 4 →	+1 →	$f(x)$	$f(x) = 4\sqrt{x} + 1$
x →	reciprocal →	-3 →	× 2 →	$g(x)$	$g(x) = 2\left(\frac{1}{x} - 3\right)$
x →	× 3 →	reciprocal →	-1 →	$f(x)$	$f(x) = \frac{1}{3x} - 1$
x →	+2 →	÷ 3 →	square →	$f(x)$	$f(x) = \left(\frac{x+2}{3}\right)^2$
x →	× 4 →	-3 →	reciprocal →	$g(x)$	$g(x) = \frac{1}{4x - 3}$