

Fill in the Blanks

Evaluating Three-Step Functions

Question	Input	Function Machine			Output
$f(x) = (2x + 1)^2$ Find $f(4)$	4	$\times 2$	$+1$	square	81
$g(x) = \frac{2x - 5}{3}$ Find $g(6.25)$	6.25	$\times 2$	-5	$\div 3$	2.5
$f(x) = \sqrt{3x - 2}$ Find $f(9)$	9	$\times 3$	-2	square root	5
$h(x) = 2(x^3 - 6)$ Find $h(-2)$	-2	cube	-6	$\times 2$	-28
$f(x) = \frac{3}{x} + 7.5$ Find $f(2)$	2	reciprocal	$\times 3$	$+7.5$	9
$f(x) = 4(x - 1)^2$ Find $f(-2)$	-2	-1	square	$\times 4$	36
$f(x) = \sqrt{\frac{1}{x+2}}$ Find $f(7)$	7	$+2$	reciprocal	square root	$\frac{1}{3}$