

Functions: Input/Output©2014 MATHguide.com

Name: _____

Period: _____

Use these functions to evaluate the problems below.

$f(x) = x + 3$

$g(x) = x^2 + 1$

$h(x) = \frac{1}{2}x - 2$

$j(x) = 3x - 7$

1) $f(7)$

2) $h(6)$

3) $-g(6)$

4) $2 \cdot j(4a)$

5) $j(4) \cdot h(-8)$

6) $g(2i)$

7) $g(x + 4)$

8) $j(i) - f(-3i)$

9) $j(8v) + f(2v)$

Tic-Tac-Toe

To gain a "square," you must do the problem in it correctly. When you and your partner agree it's correct, the person who started the problem places his/her initials in the "square" to capture it.

$j\left(\frac{1}{3}\right)$	$-4 \cdot f(-7n)$	Prove True or False: $f(-4) + f(5) = f(1)$
If $g(x) = 17$, solve for x to get two solutions.	$g(x - 3)$	$\frac{f(-18)}{5}$
$h(2p) + h(3p)$	Prove True or False: $\frac{g(-3)}{h(2)} = f(-13)$	$f(-4) + h(-2) - j(3)$