

Name: _____

Function Notation

1. Given the function $f(x) = x + 1$, evaluate the following.

(a) $f(1)$

(b) $f(-1)$

(c) $f(5)$

(d) $f(a)$

2. Given the function $g(x) = x^2 + 3x$, evaluate the following.

(a) $g(2)$

(b) $g(-2)$

(c) $g(-a)$

(d) $g(a + h)$

3. Given the function $P(a) = a^2 + 2a + 1$, evaluate the following.

(a) $P(3)$

(b) $P(\frac{1}{2})$

4. Given the function $h(x) = \sqrt{x - 1}$, evaluate the following.

(a) $h(4)$

(b) $h(13)$

5. Given the functions $f(x) = 4x - 2$ and $g(x) = 5x - 8$, evaluate the following.

(a) $f(2) - g(3)$

(b) $f(a) - g(a)$
