

Evaluating Functions

Name _____ Period _____

Use the given function to find the indicated values. Show all work and calculations.
Then if given an explicit function find the recursive, if given the recursive find the explicit.

1. $f(n) = 7n - 2$

Find $f(10)$

Find $f(25)$

n	$f(n) = 7n - 2$	$f(n)$
10	$f(10) = 7(10) - 2$	

2. $f(n) = 2x - 5$

Find $f(16)$

Find $f(35)$

Find $f(72)$

3. $g(x) = g(x - 1) + 4$
 $g(1) = 3$

Find $g(7)$

Find $g(32)$

Evaluating Functions

4. $g(x) = 3^x(5)$

Find $g(10)$

Find $g(25)$

x	$g(x) = 3^x(5)$	$g(x)$
10	$g(10) = 3^{10}(5)$	

5. $h(t) = \frac{6^{t-2}}{2}$

Find $h(5)$

Find $h(21)$

6. $h(t) = h(t-1) \cdot 5$
 $h(1) = 2$

Find $h(9)$

Find $h(17)$

Find $h(34)$