Algebra 1 Name_____

Function Notation

Date_____ Period____

Evaluate each function.

1) $h(t) = 2^{t+2}$; Find $h(0)$

2) $g(n) = n^2 + 5n$; Find $g(4)$

3) $g(n) = -2n + 5$; Find $g(-7)$

4) $g(x) = x^2 + 5x$; Find $g(9)$

5) $g(n) = |n| + 3$; Find $g(1)$

6) $f(x) = 4^x$; Find $f(-2)$

7) $f(x) = |x - 2| + 1$; Find $f(6)$

8) $f(t) = t - 2$; Find $f(3)$

9) Given $f(x) = 3x - 7$, find x when $f(x) = 11$

10) Given $f(x) = 5x + 3$, find x when $f(x) = 10$

11) Given $f(x) = \frac{2x - 1}{5}$, find x when $f(x) = -3$

12) Given $f(x) = \frac{x - 3}{2}$, find x when $f(x) = -6$

13) Given $f(x) = -3x^2$, find x when $f(x) = -75$

14) Given $f(x) = x^2 + 1$, find x when $f(x) = 10$

15) Given $f(x) = \frac{12}{x}$, find x when $f(x) = -4$

16) Given $f(x) = \frac{1}{2}x + 5$, find x when $f(x) = 8$

17) Given $f(x) = -\frac{2}{5}x + 4$, find the x-intercept

18) Given $f(x) = 4x - 7$, find the x-intercept

Answers to Function Notation (ID: 1)

1) 4
2) 36
3) 19
4) 126
5) 4
6) $\frac{1}{16}$
7) 5
8) 1
9) 6
10) $\frac{7}{5}$
11) -7
12) -9
13) 5 or -5
14) 3 or -3
15) -3
16) 6
17) 10
18) $\frac{7}{4}$