

4-6B- FUNCTION NOTATION PAGE 3 ANSWER KEY

Answers to 0.9 Function Notation - Practice Problems (ID: 1)

1) 150

4) -25

7) $p = 1$

10) $t = -4$

13) 2

16) $x = 5$

2) 64

5) 2

8) $x = 4$

11) -2

14) -1.5

17) $x = 1$

3) -14

6) $\frac{1}{2}$

9) $t = -1$

12) 0

15) $x = -1$

18) $x = -1.5$ and $x = 0$

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WS 10-6-4 "Function Notation"

Date _____ Period _____

Write in function notation.

1) $y = 5x + 3$

$$f(x) = 5x + 3$$

2) $C = 12n - 100$

$$C(n) = 12n - 100$$

3) $d = 50t$

$$d(t) = 50t$$

4) $m = 4p^2 - 3p + 7$

$$m(p) = 4p^2 - 3p + 7$$

Write as an equation with two variables.

5) $f(x) = 6x - 9$

$$y = 6x - 9$$

6) $h(x) = x^2 - 5x + 9$

$$y = x^2 - 5x + 9$$

7) $g(t) = 8t^3$

$$y = 8t^3$$

8) $C(n) = 15n + 90$

$$C = 15n + 90$$

Evaluate each function.

9) $w(x) = 4x + 5$; Find $w(-8)$

$$-27$$

10) $h(x) = 2x + 5$; Find $h(2)$

$$9$$

11) $g(n) = 4n - 5$; Find $g(6)$

$$19$$

12) $g(n) = n + 2$; Find $g(1)$

$$3$$

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

$$12$$

14) $h(n) = 3n^2 - 4$; Find $h(0)$

$$-4$$

15) $h(n) = -3n^2 - 5n$; Find $h(2)$

$$-22$$

16) $h(x) = x^3 + 4$; Find $h(-5)$

$$-121$$