Algebra 1 – Central High School Mathematics Department “FUNCTION NOTATION” Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Block: \_\_\_\_\_

Here are a group of *functions,* basically *EQUATIONS* that *PERFORM* a *FUNCTION!* Find each of the following. Remember, the number in the parentheses is the number YOU ***USE***…It is NOT part of the left side of the equation!!

***Functions:***

*b(x) = x2 c(x) = 2x – 3 f(x) = 6x g(x) =* $\sqrt{x-4}$ *h(x) = (x + 5)3 m(x) = 4x2 – 1 p(x) =* $\frac{x}{3}$ *v(x) = 9.8x*

***Problems:***

1. f(5) 2. c(8) 3. h(0) 4. m(5) 5. v(2) 6. m(10) 7. h(1)

8. c(5) 9. f(8) 10. m(0) 11. b(5) 12. p(2) 13. v(10) 14. b(1)

15. b(5) 16. c(8) 17. f(0) 18. g(29) 19. h(2) 20. m($\frac{1}{2}$) 21. p(90)

22. f(5) 23. c(8) 24. v(0) 25. p(5) 26. m(2) 27. h(10) 28. g(1)

Challenge: 1. f(9) – g(5) 2. fg(20) 3. $\frac{g}{f}(5)$