Lesson 4.3 Practice: Function Notation

School Launch · Algebra I · Unit 4: Relations and Functions · Worksheet A

No calculator

Name _____ Date _____ Score _____ / 10

Show your work under each problem, one step per line, and check your answer. Word problems: name the unknown, write the equation, solve, and answer in a sentence with units.

1. Let $f(x) = x - 2$. Find $f(2)$. EASY

2. Let $f(x) = -5x - 9$. Find $f(-6)$. EASY

3. Let $f(x) = -1x + 1$. Find $f(-5)$. EASY

4. Let $f(x) = x^2 + 4x + 4$. Find $f(-3)$. MEDIUM

5. Let $f(x) = x^2 + 3x + 4$. Find $f(-4)$. MEDIUM

6. Let $f(x) = x^2 - 4x - 5$. Find $f(-4)$. MEDIUM

7. Let $f(x) = x^2 - 2x + 6$. Find $f(1)$. MEDIUM

8. Let $f(x) = 4x + 8$. Find the value of x for which $f(x) = -10$. HARD

9. Let $f(x) = -2x + 1$. Find the value of x for which $f(x) = -12$. HARD

10. Let $f(x) = -2x - 9$. Find the value of x for which $f(x) = -9$. HARD