Lesson 1.1 Practice: Functions and Function Notation: A Review

School Launch · Algebra II · Unit 1: Functions and Their Graphs · Worksheet A

Calculator for decimals

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 $f(x) = 4x - 9$. Find $f(2)$. EASY

2. State the domain and range of $\{(-3, 5), (-1, 1), (0, -3), (4, 2)\}$. EASY

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

4. Find the domain and range of $f(x) = \sqrt{x - 4} - 5$. MEDIUM

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

6. Find the domain and range of $f(x) = \sqrt{x + 2} - 6$. MEDIUM

7. Let $f(x) = x^2 + 3x - 1$. Find $f(2)$. MEDIUM

8. Find the domain and range of $f(x) = (x + 5)^2 + 3$. HARD

9. Let $f(x) = -2x - 7$. Find the value of x for which $f(x) = 10$. HARD

10. Find the domain and range of $f(x) = -(x - 3)^2 - 2$. HARD