Lesson 4.2 Practice: What Is a Function?

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. Is the relation $\{(-1,-6),(-6,-5),(-4,3),(-5,-2)\}$ a function? Give its domain. EASY

2. Is the relation $\{(-4,4),(0,6),(2,-2),(-3,0)\}$ a function? Give its domain. EASY

3. Is the relation $\{(-2,-4),(-6,-5),(2,-5),(-3,-1)\}$ a function? Give its domain. EASY

4. Is the relation $\{(-5,5),(4,-5),(-2,3),(5,1),(-4,-3)\}$ a function? Give its domain. MEDIUM

5. Is the relation $\{(3,-1),(-2,-4),(0,4),(3,1),(5,5)\}$ a function? Give its domain. MEDIUM

6. Is the relation $\{(-4,2),(6,8),(6,4),(5,0),(-6,-4)\}$ a function? Give its domain. MEDIUM

7. Is the relation $\{(-5,2),(0,4),(-2,5),(-3,2),(-5,1)\}$ a function? Give its domain. MEDIUM

8. Is the relation $\{(-4,-2),(-6,-4),(-2,0),(-5,-2),(-3,5),(-1,2)\}$ a function? Give its domain. HARD

9. Is the relation $\{(-6,-3),(-5,0),(-6,-5),(0,4),(-1,6),(5,-3)\}$ a function? Give its domain. HARD

10. Is the relation $\{(6,-1),(0,-5),(3,1),(-2,4),(2,6),(-4,4)\}$ a function? Give its domain. HARD