Lesson 1.1 Practice: The Real Number System

School Launch · Algebra I · Unit 1: Foundations: Real Numbers and Expressions · 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. Name the smallest set (natural, whole, integer, rational or irrational) that contains each number: π, $\sqrt{5}$, $\sqrt{81}$. EASY

2. Name the smallest set (natural, whole, integer, rational or irrational) that contains each number: 0, $\sqrt{11}$, π. EASY

3. Name the smallest set (natural, whole, integer, rational or irrational) that contains each number: 0.09, 0, 5. EASY

4. Name the smallest set (natural, whole, integer, rational or irrational) that contains each number: 4, $-\frac{2}{3}$, 0, 0.14. MEDIUM

5. Name the smallest set (natural, whole, integer, rational or irrational) that contains each number: 29, $\sqrt{49}$, $\sqrt{7}$, 0.4. MEDIUM

6. Name the smallest set (natural, whole, integer, rational or irrational) that contains each number: π, $\sqrt{25}$, 0, $-\frac{4}{9}$. MEDIUM

7. Name the smallest set (natural, whole, integer, rational or irrational) that contains each number: 0, $\sqrt{2}$, $\sqrt{81}$, 0.36. MEDIUM

8. Name the smallest set (natural, whole, integer, rational or irrational) that contains each number: -28, π, 17, 0, $-\frac{2}{3}$. HARD

9. Name the smallest set (natural, whole, integer, rational or irrational) that contains each number: 8, 0, π, $\sqrt{25}$, $\frac{8}{7}$. HARD

10. Name the smallest set (natural, whole, integer, rational or irrational) that contains each number: -10, $\sqrt{16}$, $\frac{4}{9}$, 18, $\sqrt{5}$. HARD