

Name: _____

Date: _____

Mrs. Roubos

Homework #1

8R Period _____

1) 8 is the square root of what number?

- A) 16
- B) 64
- C) 48
- D) 56

2) What is the square root of 81?

- A) 7
- B) 8
- C) 11
- D) 9

3) 16 is the square root of what number?

- A) 32
- B) 196
- C) 8
- D) 256

4) Which represents an irrational number?

- A) 0
- B) $\sqrt{6}$
- C) $\frac{3}{4}$
- D) $\sqrt{4}$

5) What is the definition of the mathematical term "ratio"?

- A) The comparison of two fractions.
- B) A comparison between two numbers expressed as the quotient of one divided by the other.
- C) The difference between the greatest number and the least number in a set of numbers.
- D) The set of numbers that can be expressed as a comparison of two integers.

6) What is the square root of 100?

- A) 1
- B) 100
- C) 10
- D) 50

7) What is the definition of the mathematical term "integers"?

- A) The set of numbers less than zero.
- B) The set of numbers greater than one.
- C) The set of whole numbers greater than zero.
- D) The set of whole numbers and their opposites.

8) Which is a rational number?

- A) $\sqrt{121}$
- B) $\sqrt{12}$
- C) $\sqrt{8}$
- D) $\sqrt{20}$

9) What is the definition of the mathematical term "whole numbers"?

- A) The set of integers less than and equal to zero.
- B) The set of integers less than zero.
- C) The set of integers greater than and equal to zero.
- D) The set of integers greater than zero.

10) 4 is the square root of what number?

- A) 2
- B) 4
- C) 16
- D) 8

11) Which is an irrational number?

- A) $\sqrt{400}$
- B) $\frac{8}{11}$
- C) 5.7
- D) $\sqrt{3}$

12) Which represents a rational number?

- A) π
- B) $\sqrt{15}$
- C) $\sqrt{\frac{100}{5}}$
- D) $\sqrt{16}$