Name: Key
Mrs. Roumbos

Date:_____

8A
8R Period_____

Homework #2

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) $\sqrt{16}$

Tell if each number is rational or irrational.

13) $\sqrt{7}$ I

14) π I

15) $\sqrt{169}$ R

16) .2684579... I

17) 2 R

18) $\frac{2}{3}$ R

19) $\sqrt{81}$ R

20) $.32323232\overline{32}$ R

Tell if each number is real or not real.

21) −.825 R

22) $-\sqrt{12}$ R

23) $\sqrt{-8}$ NR

24) $\frac{5}{0}$ NR