Name: _____ Period: _____ Date: _____

Identifying Irrational Numbers Bell Work Math 8

ANSWERS

1. Complete the following statements.

a. A decimal form of irrational numbers does not stop and does not repeat.

b. A square root is the inverse operation of squaring a number.

c. Square roots of perfect squares are always whole numbers.

2. Which of the following statements is correct?

a. All integers are rational numbers. **T**

b. A repeating decimal is an irrational number. **F**

c. All irrational numbers are whole numbers. **F**

Multiple Choices

3. Which square root is a perfect square?

a. $\sqrt{121}$

b. $\sqrt{120}$

c. $\sqrt{122}$

d. $\sqrt{123}$

4. Which statement is true about the quotient when 24 is divided by 0?

a. The quotient is undefined.

b. The quotient is 0.

c. The quotient is 12.

d. The quotient is 24.

5. Which of the following is irrational?

a. $\sqrt{6}$

b. $\sqrt{4}$

c. $\sqrt{100}$

d. $\sqrt{144}$