TEST NAME: Homework Review Math 8 Number Sense

TEST ID: 1197557

GRADE: 08 - Eighth Grade

SUBJECT: Mathematics

TEST CATEGORY: School Assessment

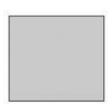
09/14/16, Homework Review Math 8 Number Sense

Student:

Class:

Date:

1. The square below has an area of 29 square units.



Which choice below is the best estimate of the side length of the square?

- A more than 5 units but less than 6 units
- B. more than 7 units but less than 8 units
- C. more than 14 units but less than 15 units
- D. more than 25 units but less than 36 units
- 2. Which number below is between 8 and 10?
 - **A** 3√343
 - в. 3√1,100
 - c. 138
 - D. $\sqrt{77}$
- 3. Which number is an example of a rational number?
 - 1.23
 - в. П
 - c. √10
 - D. √18

- 4. Which number is an integer?
- 5. Inez was chosen by her teacher to find the integer that has a square root closest to 3 without going over and write it on the board. Which correct answer did lnez write on the board?
 - A 6
 - B. 8
 - C. 10
 - D. 12
- 6. Which fraction is equivalent to $0.\overline{54}$?
 - <u>5</u>

 - c. 27
 - D. 26
- 7. What is $0.\overline{45}$ expressed as a fraction in lowest terms?
 - A. 200
 - 9 20 5

- 8. Which number is an irrational number?
 - A $\sqrt{2}$
 - в. <u>24</u> 37
 - **c**. √225
 - D. 125
- 9. Which of the following numbers is rational?
 - A 0.31311...
 - B. √5
 - C. √16
 - D. $\sqrt{27}$
- 10. Which set of numbers only contains rational numbers?

 - B. $\{0, 4, \sqrt{9}\}$
 - **c**. {5, √6, 7}
- 11. Which set of numbers contains only integers?
 - **A** {-14, -0.3, 0, 2}
 - **B**. {-10, 3, 5, 2.75}
 - C. $\{0, 1, 2, \frac{21}{4}\}$
 - D. $\{\sqrt{1}, \sqrt{4}, \sqrt{25}, \sqrt{81}\}$
- 12. Which term applies to the number shown below, if it is a non-repeating, non-terminating decimal?
 - 2.91547 . . .
 - A. imaginary
 - B. irrational
 - C. rational
 - D. integer

13. Which number below is greater than 2 but less than 5?

- **A** √2
- B. √5
- **c**. √26
- D. √40

14. The square root of 198 is between which two numbers?

- A. 12 and 13
- B. 13 and 14
- C. 14 and 15
- D. 15 and 16

 $^{15.}$ Which fraction is equivalent to $0,\overline{15}$?

- A 5
- в. <u>3</u>
- c. $\frac{1}{6}$

^{16.} Which fraction is equivalent to $0.1\overline{3}$?

- A 13 100
- B. 33 250
- c. 2 15
- D. <u>1</u>