1. Which number is irrational?

A. 1/5

B. -4

C.

D. 0.33

2. Which describes Natural numbers?

A. … -1, 0, 1 …

B. … 0, 1, 2 …

C. … 1, 2, 3 …

D. None of these

3. Which property is illustrated below?

6(x – 4) = 6(x) + 6(– 4)

1. Associative Property

B. Identity Property

C. Commutative Property

D. None of these

4. Which number sentence is an example of the

Inverse Property of Addition?

A. *x – x = 0*

B. *x + 0 = x*

C. x + x = 2x

D. x + 1 = x + 1

5. What value is equal to ] ?

A. – 21

B. 7

C. 21

D. 44

6. Evaluate:

A. 13

B. – 17

C. – 13

D. None of these

7. Which mathematical property is illustrated below?

*(x)(y)(z)* = (*z)(x)(y)*

A. Associative Property

1. Identity Property

C. Commutative Property

1. None of these

8. Evaluate

A. 365.5

B. 27

C. 46.5

D. 4

9. Simplify

A.

B.

C.

D.

10. Simplify

A.

B.

C.

D.

11. What is the exponent on *x* when you simplify the following expression?

A. – 15

B. 15

C. 9

D. – 9

12. Solve for *x*.

A. 20

B. 50

C. 60

D. 23

13. Simplify:

A.

B.

C.

D.

14. Choose the letter of the statement below that is true about the quantities in Columns I and II.

A. The number in Column I is greater.

B. The number in Column II is greater.

C. The two numbers are equal.

D. The relationship cannon be determined from the given information.

Column I Column II

the value of *x* in: the value of *y* in:

15. Solve the literal equation: