Algebra Fundamentals

Mathematics · Answer Key · 8 Questions

1. Which term is used to describe a letter or symbol that represents an unknown number in an algebraic expression?

A) Coefficient
B) Variable
C) Constant
D) Exponent

2. In the algebraic expression 5x + 3, what is the number 5 called?

A) Coefficient
B) Base
C) Variable
D) Operator

3. Which mathematical rule determines the correct order to perform operations in an algebraic expression?

A) Pythagorean theorem
B) PEMDAS/BODMAS
C) Newton's Law
D) Euclidean geometry

4. What is the value of x in the equation x + 7 = 15?

A) 6
B) 9
C) 8
D) 22

5. If you have the expression 3y, what mathematical operation is implied between 3 and y?

A) Addition
B) Subtraction
C) Division
D) Multiplication

6. What is the result of simplifying 2x + 3x?

A) 5x
B) 6x
C) 5x^2
D) 6x^2

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7. Which of the following is considered an algebraic equation?

A) 5 + 2

B) x - 3 = 10

C) 4y

D) x + 5

8. What is the exponent in the expression x^4?

A) x

B) 4

C) 1

D) The sum of x and 4