# Algebra Fundamentals

Mathematics · Practice Test · 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

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