

Worksheet Grade 6C

Total Marks: 20

Name: _____

Class: _____

Date: _____

Section A: Objective Questions (10 Marks)

(1 mark each)

Multiple Choice Questions

1. Which of the following is an algebraic expression?
 - A) $5 + 3 = 8$
 - B) $4x + 7$
 - C) $12 > 5$
 - D) $9 \div 3 = 3$
2. In the expression , the variable is:
 - A) 5
 - B) 3
 - C) a
 - D) 8
3. What is the coefficient of in ?
 - A) x
 - B) 1
 - C) 7
 - D) 0
4. Simplify:
 - A) a
 - B) $2a$
 - C) a^2
 - D) 0
5. Which term is a constant?
 - A) x
 - B) $3y$
 - C) 5
 - D) $2a$
6. Evaluate when .
 - A) 7
 - B) 12
 - C) 16
 - D) 8

7. Simplify:
- A) $6m$
 - B) $8m$
 - C) $2m$
 - D) $4m^2$
8. How many terms are there in ?
- A) 1
 - B) 2
 - C) 3
 - D) 4
9. Evaluate when .
- A) 18
 - B) 19
 - C) 20
 - D) 21
10. Which of the following are like terms?
- A) $3x$ and $4y$
 - B) $5a$ and $2a$
 - C) $6m$ and $6n$
 - D) $7p$ and $3q$
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Section B: Subjective Questions (10 Marks)

Q1. Identify Parts of an Expression (2 Marks)

Consider the expression:

- a) Identify the variable. (1 mark)
 - b) Identify the constant term. (1 mark)
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Q2. Simplifying Expressions (2 Marks)

Simplify:

- a) (1 mark)
 - b) (1 mark)
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Q3. Evaluating Expressions (3 Marks)

Evaluate the following when :

a) (1 mark)

b) (1 mark)

c) (1 mark)

Q4. Word Problem (3 Marks)

Ali has pencils.

a) Write an algebraic expression for the total number of pencils if he gets 7 more pencils. (1 mark)

b) Find the total number of pencils when . (2 marks)