



ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution

WORK SHEET - 23

CLASS -VI



SUBJECT -ALGEB & GEOM CHAPTER 14 - FUNDAMENTAL OPERATIONS
TOPIC - SIMPLIFICATION

F.M - 15
Date -16.05.20

I. Multiple choice questions : (Select the correct option)

(15)

Simplify :

1. $- 3x^2 - [2x^2 - (4x^2 + y^2)]$

a) $y^2 - x^2$ b) $3y^2 - x^2$ c) $y^2 - 2x^2$ d) none of these .

2. $a^2b - 5b^2 - 4ba^2 + 11b^2 - 19b^2$

a) $3a^2 - b^2$ b) $4ab^2 - b^2$ c) $- 3a^2b - 13b^2$ d) none of these .

3. $(2x + 3y) - (3x - 4y)$

a) $5x + 7y$ b) $7x + y$ c) $- x + 7y$ d) none of these .

4. $4 (2p + 8q) - 3 (p - q)$

a) $5p + 4q$ b) $5p + 35q$ c) $30p - 30q$ d) none of these .

5. $(2a - b) + (b - 2a) + (2a - b)$

a) $2ab - b$ b) $2a - b$ c) $1a + b$ d) none of these .

6. $- (80 - 3a^2) - 2a^2$

a) $- 80 + a^2$ b) $80 + a$ c) $30 - a$ d) none of these .

7. $8x + (x^2 + 6 - 3x)$

a) $12 + 2x$ b) $-8x^2 - 48 + 24x$ c) $5x + x^2 + 6$ d) none of these .

8. $4x + (5x - 4)$

a) $2x + 4y$ b) $-3x - 4y$ c) $9x - 4$ d) none of these .

9. $- 3x^2 - (- x^2 + 5x)$

a) $y^2 - x^2$ b) $- 2x^2 - 5x$ c) $4 - x^2$ d) none of these .

10. $- 4 (2x + y) + 2 (x - y) + 4x - 5$

a) $- 2x - 6y - 5$ b) $x - y + 4$ c) $x - 5 + 2y$ d) none of these.

11. $6a - (5a - 2x)$

a) $a + 2x$ b) $11a - x$ c) $3a - 4x$ d) none of these.

12. $5x + (3x - 7)$

a) $2x + 5$ b) $5x + 6$ c) $8x - 7$ d) none of these.

13. $4x - [x - (4x + 3y) + 5y]$

a) $7x - 2y$ b) $3x + 5y$ c) $5x - 5y$ d) none of these.

14. $4x^2z - 3yz + 5xy - [x^2z - (x^2z - 3yz) - 4yz - 8z]$

a) $4x^2z - 2yz + 5xy + 8z$ b) $4x^2z - 12yz + 2xy$ c) $4x^2z - 2yz + 2xy - z$ d) none of these.

15. $5x + (-7x - 2y)$

a) $4x - 7y$ b) $x - y$ c) $-2x - 2y$ d) none of these.

By – U. James Riju.