



ST. LAWRENCE HIGH SCHOOL

A Jesuit Christian Minority Institution

ANSWER SHEET - 19

CLASS -VI



SUBJECT -ALGEB & GEOM
TOPIC - ADDITION

CHAPTER 14 - FUNDAMENTAL OPERATIONS

F.M - 15

Date -12.05.20

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

(15)

Add the following :

1. $(x + 5y)$, $(3x + y)$

a) $2x + 8y$ **b) $4x + 6y$** c) $5x + 2y$ d) none of these .

2. $(2a + 3b)$, $(3a + 4b)$

a) $5a + 7b$ b) $9a + 2b$ c) $5a + 3b$ d) none of these .

3. $(9c^2 - 8d^2)$, $(-9c^2 + 8d^2)$

a) $8c^2$ **b) 0** c) $4c^2$ d) none of these .

4. $5a + 4b - 3c$ and $3a - 4b - 3c$

a) $8a - 6c$ b) $9a - 2b$ c) $5b - 3c$ d) none of these .

5. $3c^2 + 5d^2 + 7$, $-4d^2 - c^2 - 6$ and $5 - 3d^2 - 4c^2$

a) $-2c^2 - 2d^2 + 6$ b) $3c^2 + 5d^2 + 7$ c) $7c^2 + 5d^2 + 5$ d) none of these .

6. $5xy - 3yz + 7zx$, $-4xy - 8zx + 5yz$ and $-3zx - 5xy$

a) $7xy - 5yz - 6zx$ b) $2xy + 4xz - 5zy$ **c) $-4xy + 2yz - 4zx$** d) none of these .

7. $3x^2 - 5x + 6$, $-3x + 5x^2 - 4$, $x - 4x^2$ and $-5 + x^2$

a) $5x^2 - 7x - 3$ b) $5x^2 - 4x - 4$ c) $5x^2 - 3x - 4x^2$ d) none of these .

8. $x^2 - 3x + 4$, $4x^2 - 2x + 7$, $-x^2 + 5x - 2$

a) $3x^2 + 9$ b) $4x^2 + x - 19$ **c) $4x^2 + 9$** d) none of these .

9. $c^2 + 2c - 7$, $c^2 - 5c + 3$

a) $2c^2 - 3c - 4$ b) $2c^2 - 4c - 4$ c) $5 + 4c^2$ d) none of these .

10. $5x^2 + 5x - 6$, $4x^2 - x + 8$

a) $9x^2 + 4x + 2$ b) $9x^2 + 3x + 12$ c) $7x^2 + 3x + 2$ d) none of these.

11. $3y^2 - 6 - 2y + y^2 - 3y + 7 - y^2 - 4y - y^2 + 5$

a) $2y^2 + 16 - y$ b) $12y^2 + 6 - 9y$ **c) $2y^2 + 6 - 9y$** d) none of these.

12. $(2x - y) + (2y - 3x) + (3y - x)$

a) $10x + 5y$ **b) $-2x + 4y$** c) $14x - 3y$ d) none of these.

13. $3y^2 - 4y + 5$, $2y^2 - 7y - 1$ and $y^2 - 3y - 5$

a) $6y^2 - 1 - 14y$ b) $12y^2 + 16 - 9y$ c) $2y^2 + 6 - 9y$ d) none of these.

14. If $P = 2a - 5b - 7c$, $Q = 9b - 6a - 10c$ and $R = 17c - 4b + 4a$, then $P + Q + R =$

a) $15a - 9b$ b) $-34c$ **c) 0** d) $-12a - 10b + c$

15. $2x^2 - 5x$, $9x^2 + 2x$

a) $11x^2 - 3x$ b) $5x^2 + 5x$ c) $3x^2 + 6$ d) none of these.

By – U. James Riju.