



ST. LAWRENCE HIGH SCHOOL

A JESUIT CHRISTIAN MINORITY INSTITUTION



Sub: Algebra and Geometry

Class: 7

Date: 11.06.20

Duration: 40 min

Worksheet Solution 29

Full Marks: 15

ALGEBRAIC EXPRESSION

Choose the Correct options:

1. Find the product of $(x^4)(x^2)$

- A) x^6
- B) x^8
- C) x^4
- D) x^2

2. Find the product of $(12m^2)^2$

- A) $144m^4$
- B) $144m$
- C) $12m^4$
- D) $12m^8$

3. Find the product of $(a^2)(2a^3)$

- A) $2a^5$
- B) $2a^6$
- C) $4a^5$
- D) $2a^4$

4. Find the product of $(3xy)(3y)$

- A) $9xy^2$
- B) $9x^2y^2$
- C) $3xy^2$
- D) $9xy$

5. Find the product of $(k^4)(k^3)$

- A) k^7
- B) k^{12}
- C) k^8
- D) k

6. Find the product of $(n^2)(n^3)$

- A) n^5
- B) n^6
- C) n^4
- D) n

7. Find the product of $(2e)(2ec^2)$

- A) $4ec^3$
- B) $4e^2c^2$
- C) $4ec$
- D) $4e^3c$

8. Find the product of $(x^6)(xy^2)$

- A) x^6y^2
- B) x^7y^2**
- C) x^5y^2
- D) x^6y

9. Find the product of $(3xy)^3$

- A) $27x^3y^3$**
- B) $9x^3y^3$
- C) $9xy^3$
- D) $27xy^3$

10. Find the product of $(r^2)(r^8)$

- A) **r^{10}**
- B) r^{16}
- C) r^6
- D) r^{28}

11. $(3c^2)(10c^7)$

- A) $13c^9$
- B) $30c^5$
- C) $30c^9$**
- D) $-30c^9$

12. $(6m^3n^3)(8m^2n^3)$

- A) $48m^5n^9$
- B) $48m^6n^6$
- C) $48m^5n^6$**
- D) none of the above

13. $2n^4 * 5n^4$

- A) $7n^4$
- B) $10n^{16}$
- C) $10n^8$**
- D) none of the above

14. $(3c^2)(10c^3)$

- A) $13c^9$
- B) $30c^5$**
- C) $30c^9$
- D) $-30c^9$

15. $6k^2 * k$

- A) 6
- B) 6k
- C) $6k^2$
- D) $6k^3$**