

NAME: \_\_\_\_\_

1. 060312a, P.I. A.A.12

The expression  $3^2 \cdot 3^3 \cdot 3^4$  is equivalent to

[A]  $27^{24}$  [B]  $3^9$  [C]  $27^9$  [D]  $3^{24}$

2. 069911a

The expression  $2^3 \cdot 4^2$  is equivalent to

[A]  $8^5$  [B]  $2^7$  [C]  $2^{12}$  [D]  $8^6$

3. 010008a

The expression  $(x^2z^3)(xy^2z)$  is equivalent to

[A]  $x^3y^3z^4$  [B]  $x^2y^2z^3$

[C]  $x^4y^2z^5$  [D]  $x^3y^2z^4$

4. 010306a, P.I. A.A.12

The product of  $3x^5$  and  $2x^4$  is

[A]  $5x^9$  [B]  $5x^{20}$  [C]  $6x^9$  [D]  $6x^{20}$

5. 080001a, P.I. A.A.12

The product of  $2x^3$  and  $6x^5$  is

[A]  $12x^8$  [B]  $12x^{15}$

[C]  $10x^8$  [D]  $10x^{15}$

6. 010205a, P.I. A.A.12

The product of  $3x^2y$  and  $-4xy^3$  is

[A]  $12x^3y^4$  [B]  $-12x^3y^4$

[C]  $12x^2y^3$  [D]  $-12x^2y^3$

7. 080903ia, P.I. A.A.12

Which expression represents  $(3x^2y^4)(4xy^2)$  in equivalent form?

[A]  $12x^2y^6$  [B]  $12x^3y^8$

[C]  $12x^3y^6$  [D]  $12x^2y^8$

8. 089906a, P.I. A.A.12

The product of  $4x^2y$  and  $2xy^3$  is

[A]  $8x^3y^3$  [B]  $8x^3y^4$

[C]  $8x^2y^3$  [D]  $8x^2y^4$

9. 080605a, P.I. A.A.12

What is the product of  $10x^4y^2$  and  $3xy^3$ ?

[A]  $30x^5y^6$  [B]  $30x^5y^5$

[C]  $30x^4y^6$  [D]  $30x^4y^5$

10. 060604a, P.I. A.A.12

What is the product of  $\frac{1}{3}x^2y$  and  $\frac{1}{6}xy^3$ ?

[A]  $\frac{1}{9}x^3y^4$  [B]  $\frac{1}{2}x^2y^3$

[C]  $\frac{1}{18}x^3y^4$  [D]  $\frac{1}{18}x^2y^3$

11. 010910a, P.I. A.A.12

The expression  $(-2a^2b^3)(4ab^5)(6a^3b^2)$  is equivalent to

[A]  $-48a^6b^{10}$  [B]  $-48a^5b^{10}$

[C]  $8a^6b^{30}$  [D]  $48a^5b^{10}$

- [1] B \_\_\_\_\_
- [2] B \_\_\_\_\_
- [3] D \_\_\_\_\_
- [4] C \_\_\_\_\_
- [5] A \_\_\_\_\_
- [6] B \_\_\_\_\_
- [7] C \_\_\_\_\_
- [8] B \_\_\_\_\_
- [9] B \_\_\_\_\_
- [10] C \_\_\_\_\_
- [11] A \_\_\_\_\_