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Multiplying Monomials and Polynomials Worksheets - 3

Fill in the blanks.

1. $9a \times 5a = \underline{\hspace{2cm}}$

2. $30a^2 \times 4a^3 = \underline{\hspace{2cm}}$

3. $3ab \times 6ab = \underline{\hspace{2cm}}$

4. $9mn \times 8m^3 = \underline{\hspace{2cm}}$

5. Find the product of the monomials

(i) $10x \times 8x =$

(ii) $30x \times x \times 4 =$

(iii) $21xy \times 3ay =$

(iv) $3a^2 \times 4a^2 \times 6a^3 =$

6. What will be the result if $(x - 1 - a)$ is multiplied with $(1 - a)$?

7. Find the product of the following polynomials:

A. $(2 - p^2)$ and $(5p^2 + 1)$

B. $(3x^3 - x - 3)$ and $(-5x^2 + 2x + 2)$

8. Simplify each expression:

A. $(9pq^5)^2$

B. $r(3p^2)^3$

9. If $(7z^2 - 3z - 4)(-9z^2 + 2z - 3) = -63z^4 + 41z^3 - pz^2 + z + 12$, find the value of P .

10. What should we multiply with $(-2t^2 - t + 4)$ to get $(10t^3 + 5t^2 - 20t)$?



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- Gary Schwartz

"Cuemath is great because my son has a one-on-one interaction with the teacher. The instructor has developed his confidence and I can see progress in his work. One-on-one interaction is perfect and a great bonus."

- Kirk Riley

"I appreciate the effort that miss Nitya puts in to help my daughter understand the best methods and to explain why she got a problem incorrect. She is extremely patient and generous with Miranda."

- Barbara Cabrera

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