

Multiplication de Monômes et Polynômes (G)

Simplifiez chaque expression.

1. $(4x^2 - 9x + 2)(6x + 1)$

2. $(-2s^2 - 2s)(s^4 + 2s^3)$

3. $(8q^3 - 8q^2 + 9q)(-9q^5 + 6q^4 - 8q^3)$

4. $(6q^5 - 8q^4)(6q^3 - 9q^2)$

5. $5z^4(-4z^5 + 2z^4)$

6. $(-6b^2 - 2b)(7b^3 + 3b^2 - 2b)$

7. $(-a^2 + a)(-6a^2 + 8a - 6)$

8. $(4t^3 + 6t^2 + 3t)(3t^3 - t^2 + 5t)$

9. $5b(8b + 1)$

10. $(-9a^3 + 5a^2)(5a^3 + 4a^2)$

Multiplication de Monômes et Polynômes (G) Réponses

Simplifiez chaque expression.

$$\begin{aligned} 1. & (4x^2 - 9x + 2)(6x + 1) \\ & = 24x^3 - 50x^2 + 3x + 2 \end{aligned}$$

$$\begin{aligned} 2. & (-2s^2 - 2s)(s^4 + 2s^3) \\ & = -2s^6 - 6s^5 - 4s^4 \end{aligned}$$

$$\begin{aligned} 3. & (8q^3 - 8q^2 + 9q)(-9q^5 + 6q^4 - 8q^3) \\ & = -72q^8 + 120q^7 - 193q^6 + 118q^5 - 72q^4 \end{aligned}$$

$$\begin{aligned} 4. & (6q^5 - 8q^4)(6q^3 - 9q^2) \\ & = 36q^8 - 102q^7 + 72q^6 \end{aligned}$$

$$\begin{aligned} 5. & 5z^4(-4z^5 + 2z^4) \\ & = -20z^9 + 10z^8 \end{aligned}$$

$$\begin{aligned} 6. & (-6b^2 - 2b)(7b^3 + 3b^2 - 2b) \\ & = -42b^5 - 32b^4 + 6b^3 + 4b^2 \end{aligned}$$

$$\begin{aligned} 7. & (-a^2 + a)(-6a^2 + 8a - 6) \\ & = 6a^4 - 14a^3 + 14a^2 - 6a \end{aligned}$$

$$\begin{aligned} 8. & (4t^3 + 6t^2 + 3t)(3t^3 - t^2 + 5t) \\ & = 12t^6 + 14t^5 + 23t^4 + 27t^3 + 15t^2 \end{aligned}$$

$$\begin{aligned} 9. & 5b(8b + 1) \\ & = 40b^2 + 5b \end{aligned}$$

$$\begin{aligned} 10. & (-9a^3 + 5a^2)(5a^3 + 4a^2) \\ & = -45a^6 - 11a^5 + 20a^4 \end{aligned}$$