

Multiplication de Trois Binômes (D)

Simplifiez chaque expression.

1. $(5a^4 - 9a^3)(-7a^2 + 6a)(9a - 5)$

2. $(3a - 5)(-4a^5 - 3a^4)(-8a^2 - 8a)$

3. $(-4v^3 - 9v^2)(5v - 2)(-9v^2 + 7v)$

4. $(-7p + 3)(-7p^2 - 5p)(-4p^5 + 3p^4)$

5. $(-5v^3 + 6v^2)(v^2 - 3v)(-2v^2 + v)$

6. $(-z - 9)(5z^2 + 2z)(3z^3 - 9z^2)$

7. $(-8y^2 + 8y)(6y^2 - 7y)(-8y^4 + 6y^3)$

8. $(p^4 + 3p^3)(5p^4 + 6p^3)(-7p^5 - 7p^4)$

9. $(-7w - 8)(3w^5 - 6w^4)(6w + 9)$

10. $(9t + 3)(t^4 - 6t^3)(t^3 - 8t^2)$

Multiplication de Trois Binômes (D) Réponses

Simplifiez chaque expression.

$$\begin{aligned} 1. & (5a^4 - 9a^3)(-7a^2 + 6a)(9a - 5) \\ & = -315a^7 + 1012a^6 - 951a^5 + 270a^4 \end{aligned}$$

$$\begin{aligned} 2. & (3a - 5)(-4a^5 - 3a^4)(-8a^2 - 8a) \\ & = 96a^8 + 8a^7 - 208a^6 - 120a^5 \end{aligned}$$

$$\begin{aligned} 3. & (-4v^3 - 9v^2)(5v - 2)(-9v^2 + 7v) \\ & = 180v^6 + 193v^5 - 421v^4 + 126v^3 \end{aligned}$$

$$\begin{aligned} 4. & (-7p + 3)(-7p^2 - 5p)(-4p^5 + 3p^4) \\ & = -196p^8 + 91p^7 + 102p^6 - 45p^5 \end{aligned}$$

$$\begin{aligned} 5. & (-5v^3 + 6v^2)(v^2 - 3v)(-2v^2 + v) \\ & = 10v^7 - 47v^6 + 57v^5 - 18v^4 \end{aligned}$$

$$\begin{aligned} 6. & (-z - 9)(5z^2 + 2z)(3z^3 - 9z^2) \\ & = -15z^6 - 96z^5 + 369z^4 + 162z^3 \end{aligned}$$

$$\begin{aligned} 7. & (-8y^2 + 8y)(6y^2 - 7y)(-8y^4 + 6y^3) \\ & = 384y^8 - 1120y^7 + 1072y^6 - 336y^5 \end{aligned}$$

$$\begin{aligned} 8. & (p^4 + 3p^3)(5p^4 + 6p^3)(-7p^5 - 7p^4) \\ & = -35p^{13} - 182p^{12} - 273p^{11} - 126p^{10} \end{aligned}$$

$$\begin{aligned} 9. & (-7w - 8)(3w^5 - 6w^4)(6w + 9) \\ & = -126w^7 - 81w^6 + 450w^5 + 432w^4 \end{aligned}$$

$$\begin{aligned} 10. & (9t + 3)(t^4 - 6t^3)(t^3 - 8t^2) \\ & = 9t^8 - 123t^7 + 390t^6 + 144t^5 \end{aligned}$$