

Multiplication de Trois Binômes (H)

Simplifiez chaque expression.

1. $(-9g - 5)(-9g^4 - 2g^3)(9g + 2)$

2. $(-5h - 5)(3h^3 + 7h^2)(5h + 7)$

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

4. $(6y - 5)(8y - 9)(-7y^3 - y^2)$

5. $(8t^5 + 2t^4)(7t^4 + 2t^3)(t^3 + t^2)$

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

7. $(-4t^4 + 4t^3)(5t^2 - 6t)(-9t^4 - 8t^3)$

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

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

10. $(8h^3 - 7h^2)(-8h^4 - 5h^3)(-3h^3 + 5h^2)$

Multiplication de Trois Binômes (H) Réponses

Simplifiez chaque expression.

$$\begin{aligned} 1. & (-9g - 5)(-9g^4 - 2g^3)(9g + 2) \\ & = 729g^6 + 729g^5 + 216g^4 + 20g^3 \end{aligned}$$

$$\begin{aligned} 2. & (-5h - 5)(3h^3 + 7h^2)(5h + 7) \\ & = -75h^5 - 355h^4 - 525h^3 - 245h^2 \end{aligned}$$

$$\begin{aligned} 3. & (4y^2 - 4y)(2y^4 + 8y^3)(-8y^4 + 8y^3) \\ & = -64y^{10} - 128y^9 + 448y^8 - 256y^7 \end{aligned}$$

$$\begin{aligned} 4. & (6y - 5)(8y - 9)(-7y^3 - y^2) \\ & = -336y^5 + 610y^4 - 221y^3 - 45y^2 \end{aligned}$$

$$\begin{aligned} 5. & (8t^5 + 2t^4)(7t^4 + 2t^3)(t^3 + t^2) \\ & = 56t^{12} + 86t^{11} + 34t^{10} + 4t^9 \end{aligned}$$

$$\begin{aligned} 6. & (m^3 - 3m^2)(-8m^2 - m)(9m^4 + 4m^3) \\ & = -72m^9 + 175m^8 + 119m^7 + 12m^6 \end{aligned}$$

$$\begin{aligned} 7. & (-4t^4 + 4t^3)(5t^2 - 6t)(-9t^4 - 8t^3) \\ & = 180t^{10} - 236t^9 - 136t^8 + 192t^7 \end{aligned}$$

$$\begin{aligned} 8. & (-3q^3 + q^2)(-2q^2 + 5q)(-3q + 2) \\ & = -18q^6 + 63q^5 - 49q^4 + 10q^3 \end{aligned}$$

$$\begin{aligned} 9. & (-4x^4 + 4x^3)(5x^4 - 3x^3)(-x^3 - 7x^2) \\ & = 20x^{11} + 108x^{10} - 212x^9 + 84x^8 \end{aligned}$$

$$\begin{aligned} 10. & (8h^3 - 7h^2)(-8h^4 - 5h^3)(-3h^3 + 5h^2) \\ & = 192h^{10} - 368h^9 - 25h^8 + 175h^7 \end{aligned}$$