

Multiplication de Trois Binômes (C)

Simplifiez chaque expression.

1. $(8y^4 - 2y^3)(-9y + 9)(y^3 - y^2)$

2. $(-3b^4 - 3b^3)(2b^2 - 6b)(-5b^4 + 7b^3)$

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

4. $(3s^5 + s^4)(-6s^4 - 5s^3)(4s^5 - 9s^4)$

5. $(3r^2 + 4r)(r^4 + 6r^3)(-7r^5 + 7r^4)$

6. $(5g - 4)(4g^5 - 9g^4)(-6g^2 + 7g)$

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

8. $(-4b^5 - 5b^4)(-4b^5 - 7b^4)(7b^2 - 2b)$

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

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

Multiplication de Trois Binômes (C) Réponses

Simplifiez chaque expression.

$$\begin{aligned} 1. & (8y^4 - 2y^3)(-9y + 9)(y^3 - y^2) \\ & = -72y^8 + 162y^7 - 108y^6 + 18y^5 \end{aligned}$$

$$\begin{aligned} 2. & (-3b^4 - 3b^3)(2b^2 - 6b)(-5b^4 + 7b^3) \\ & = 30b^{10} - 102b^9 - 6b^8 + 126b^7 \end{aligned}$$

$$\begin{aligned} 3. & (2h^2 + 7h)(5h^3 + 4h^2)(5h^4 - 3h^3) \\ & = 50h^9 + 185h^8 + 11h^7 - 84h^6 \end{aligned}$$

$$\begin{aligned} 4. & (3s^5 + s^4)(-6s^4 - 5s^3)(4s^5 - 9s^4) \\ & = -72s^{14} + 78s^{13} + 169s^{12} + 45s^{11} \end{aligned}$$

$$\begin{aligned} 5. & (3r^2 + 4r)(r^4 + 6r^3)(-7r^5 + 7r^4) \\ & = -21r^{11} - 133r^{10} - 14r^9 + 168r^8 \end{aligned}$$

$$\begin{aligned} 6. & (5g - 4)(4g^5 - 9g^4)(-6g^2 + 7g) \\ & = -120g^8 + 506g^7 - 643g^6 + 252g^5 \end{aligned}$$

$$\begin{aligned} 7. & (7p^4 - 8p^3)(p^4 - 4p^3)(-7p + 2) \\ & = -49p^9 + 266p^8 - 296p^7 + 64p^6 \end{aligned}$$

$$\begin{aligned} 8. & (-4b^5 - 5b^4)(-4b^5 - 7b^4)(7b^2 - 2b) \\ & = 112b^{12} + 304b^{11} + 149b^{10} - 70b^9 \end{aligned}$$

$$\begin{aligned} 9. & (-8v^3 + 7v^2)(3v^2 - 6v)(-4v^4 - 5v^3) \\ & = 96v^9 - 156v^8 - 177v^7 + 210v^6 \end{aligned}$$

$$\begin{aligned} 10. & (-2p^5 - 8p^4)(-5p^2 - 5p)(2p^3 + 3p^2) \\ & = 20p^{10} + 130p^9 + 230p^8 + 120p^7 \end{aligned}$$