

Multiplicar Tres Polinomios (C)

Simplifique cada expresión.

1. $(2a^4 - a^3)(3a^3 + 8a^2)(6a^2 - 8a - 1)$

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

3. $(-9d^5 + 9d^4)(8d^4 + 4d^3)(-8d^5 + 5d^4 - 3d^3)$

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

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

Multiplicar Tres Polinomios (C) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. & (2a^4 - a^3)(3a^3 + 8a^2)(6a^2 - 8a - 1) \\ & = 36a^9 + 30a^8 - 158a^7 + 51a^6 + 8a^5 \end{aligned}$$

$$\begin{aligned} 2. & (5c^2 - c)(8c^5 - 4c^4)(9c^4 + 9c^3 - 3c^2) \\ & = 360c^{11} + 108c^{10} - 336c^9 + 120c^8 - 12c^7 \end{aligned}$$

$$\begin{aligned} 3. & (-9d^5 + 9d^4)(8d^4 + 4d^3)(-8d^5 + 5d^4 - 3d^3) \\ & = 576d^{14} - 648d^{13} + 108d^{12} + 72d^{11} - 108d^{10} \end{aligned}$$

$$\begin{aligned} 4. & (3f^3 - 7f^2)(-8f^5 - 9f^4)(-2f^5 - 6f^4 - 5f^3) \\ & = 48f^{13} + 86f^{12} - 180f^{11} - 523f^{10} - 315f^9 \end{aligned}$$

$$\begin{aligned} 5. & (f^3 - 6f^2)(-5f^5 + f^4)(8f^2 + 7f - 7) \\ & = -40f^{10} + 213f^9 + 204f^8 - 259f^7 + 42f^6 \end{aligned}$$