

Multiplicar Tres Polinomios (E)

Simplifique cada expresión.

1. $(2k^2 + 3k - 4)(-7k^2 + 3k + 2)(k^4 + 9k^3 + 9k^2)$

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

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

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

5. $(8y^2 - 2y - 1)(5y^2 - 7y + 3)(4y^2 + y - 3)$

Multiplicar Tres Polinomios (E) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. & (2k^2 + 3k - 4)(-7k^2 + 3k + 2)(k^4 + 9k^3 + 9k^2) \\ & = -14k^8 - 141k^7 - 220k^6 + 228k^5 + 307k^4 - 126k^3 - 72k^2 \end{aligned}$$

$$\begin{aligned} 2. & (9t^3 - 5t^2 + 9t)(5t^2 + 2t + 6)(8t^5 + 6t^4 + 2t^3) \\ & = 360t^{10} + 214t^9 + 760t^8 + 424t^7 + 538t^6 + 300t^5 + 108t^4 \end{aligned}$$

$$\begin{aligned} 3. & (9n^4 - 3n^3 + 4n^2)(-6n^3 + 4n^2 - 9n)(n^4 + 4n^3 + n^2) \\ & = -54n^{11} - 162n^{10} + 45n^9 - 371n^8 + 19n^7 - 101n^6 - 36n^5 \end{aligned}$$

$$\begin{aligned} 4. & (8x^3 + 2x^2 + 8x)(-2x^5 - 7x^4 + 9x^3)(3x^5 - 6x^4 + x^3) \\ & = -48x^{13} - 84x^{12} + 470x^{11} - 426x^{10} + 486x^9 - 470x^8 + 72x^7 \end{aligned}$$

$$\begin{aligned} 5. & (8y^2 - 2y - 1)(5y^2 - 7y + 3)(4y^2 + y - 3) \\ & = 160y^6 - 224y^5 - 54y^4 + 235y^3 - 110y^2 - 6y + 9 \end{aligned}$$