

Multiplicar Tres Polinomios (A)

Simplifique cada expresión.

1. $(3t^3 - t^2 + 3t)(-t^2 - 7t - 8)(8t^4 + 6t^3 + 2t^2)$

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

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

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

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

Multiplicar Tres Polinomios (A) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. & (3t^3 - t^2 + 3t)(-t^2 - 7t - 8)(8t^4 + 6t^3 + 2t^2) \\ & = -24t^9 - 178t^8 - 286t^7 - 264t^6 - 310t^5 - 170t^4 - 48t^3 \end{aligned}$$

$$\begin{aligned} 2. & (7g^5 - 4g^4 + 6g^3)(6g^5 - 3g^4 - 7g^3)(2g^3 + 9g^2 + 5g) \\ & = 84g^{13} + 288g^{12} - 197g^{11} - 214g^{10} + 1g^9 - 328g^8 - 210g^7 \end{aligned}$$

$$\begin{aligned} 3. & (9a^4 + 7a^3 - 6a^2)(-a^3 + a^2 - 9a)(9a^5 + 9a^4 - 4a^3) \\ & = -81a^{12} - 63a^{11} - 558a^{10} - 1241a^9 + 137a^8 + 762a^7 - 216a^6 \end{aligned}$$

$$\begin{aligned} 4. & (-2z^4 - 9z^3 - z^2)(2z^4 + 2z^3 - 5z^2)(-5z^4 + z^3 + 5z^2) \\ & = 20z^{12} + 106z^{11} + 8z^{10} - 335z^9 - 32z^8 + 220z^7 + 25z^6 \end{aligned}$$

$$\begin{aligned} 5. & (6x^5 - 5x^4 - 2x^3)(-3x^4 - 8x^3 + 2x^2)(-3x^4 + 4x^3 - 4x^2) \\ & = 54x^{13} + 27x^{12} - 234x^{11} + 346x^{10} - 196x^9 - 40x^8 + 16x^7 \end{aligned}$$