

Multiplicar Tres Polinomios (C)

Simplifique cada expresión.

1. $(-3q^2 - 6q + 2)(7q + 9)(-q^2 + 7q)$

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

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

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

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

Multiplicar Tres Polinomios (C) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. & (-3q^2 - 6q + 2)(7q + 9)(-q^2 + 7q) \\ & = 21q^5 - 78q^4 - 443q^3 - 298q^2 + 126q \end{aligned}$$

$$\begin{aligned} 2. & 8b(6b^4 + 4b^3 + 7b^2)(5b^2 + 9b - 5) \\ & = 240b^7 + 592b^6 + 328b^5 + 344b^4 - 280b^3 \end{aligned}$$

$$\begin{aligned} 3. & (-t^5 - 2t^4 + 5t^3)(-8t^3 - 7t^2)(-9t^3 - 5t^2) \\ & = -72t^{11} - 247t^{10} + 119t^9 + 445t^8 + 175t^7 \end{aligned}$$

$$\begin{aligned} 4. & 7c(-4c^5 + 6c^4 - 3c^3)(2c^2 - 5c - 2) \\ & = -56c^8 + 224c^7 - 196c^6 + 21c^5 + 42c^4 \end{aligned}$$

$$\begin{aligned} 5. & (-5x^3 - 3x^2)(2x^3 + 3x^2 + 9x)(-7x^5 + 6x^4) \\ & = 70x^{11} + 87x^{10} + 252x^9 - 135x^8 - 162x^7 \end{aligned}$$