

Multiplicar Tres Polinomios (D)

Simplifique cada expresión.

1. $(5p^3 + 9p^2)(3p^2 - p + 4)(2p^5 - 2p^4 + 3p^3)$

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

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

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

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

Multiplicar Tres Polinomios (D) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. & (5p^3 + 9p^2)(3p^2 - p + 4)(2p^5 - 2p^4 + 3p^3) \\ & = 30p^{10} + 14p^9 + 23p^8 + 116p^7 - 39p^6 + 108p^5 \end{aligned}$$

$$\begin{aligned} 2. & (3w^3 + w^2)(-8w^4 + 6w^3 - 8w^2)(-5w^3 - 5w^2 - 8w) \\ & = 120w^{10} + 70w^9 + 232w^8 + 50w^7 + 184w^6 + 64w^5 \end{aligned}$$

$$\begin{aligned} 3. & (-8x^5 + 5x^4)(x^2 - 5x + 7)(-5x^4 - 3x^3 + 7x^2) \\ & = 40x^{11} - 201x^{10} + 214x^9 + 383x^8 - 672x^7 + 245x^6 \end{aligned}$$

$$\begin{aligned} 4. & (-2t^4 + 4t^3)(-4t^5 + 5t^4 - 3t^3)(-7t^4 + t^3 + 8t^2) \\ & = -56t^{13} + 190t^{12} - 144t^{11} - 98t^{10} + 196t^9 - 96t^8 \end{aligned}$$

$$\begin{aligned} 5. & (8t^4 - 3t^3)(-9t^3 + 2t^2 - 5t)(-7t^4 - 3t^3 + 8t^2) \\ & = 504t^{11} - 85t^{10} - 383t^9 + 377t^8 - 413t^7 + 120t^6 \end{aligned}$$