

Multiplicar Tres Polinomios (D)

Simplifique cada expresión.

1. $(3z^3 - 7z^2 - 7z)(-5z^5 + 8z^4 + 2z^3)(2z^5 + z^4 + 9z^3)$

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

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

4. $(-5w^2 + 7w + 1)(6w^2 - 5w + 8)(8w^3 + 6w^2 + w)$

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

Multiplicar Tres Polinomios (D) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. & (3z^3 - 7z^2 - 7z)(-5z^5 + 8z^4 + 2z^3)(2z^5 + z^4 + 9z^3) \\ & = -30z^{13} + 103z^{12} - 106z^{11} + 376z^{10} - 233z^9 - 644z^8 - 126z^7 \end{aligned}$$

$$\begin{aligned} 2. & (3q^3 + 7q^2 + q)(3q^3 - 5q^2 + 3q)(q^4 - 5q^3 - 4q^2) \\ & = 9q^{10} - 39q^9 - 89q^8 + 107q^7 + 15q^6 - 79q^5 - 12q^4 \end{aligned}$$

$$\begin{aligned} 3. & (4n^5 + 3n^4 - 8n^3)(8n^2 + 8n - 9)(-3n^2 - 2n + 6) \\ & = -96n^9 - 232n^8 + 308n^7 + 761n^6 - 490n^5 - 690n^4 + 432n^3 \end{aligned}$$

$$\begin{aligned} 4. & (-5w^2 + 7w + 1)(6w^2 - 5w + 8)(8w^3 + 6w^2 + w) \\ & = -240w^7 + 356w^6 - 180w^5 + 61w^4 + 301w^3 + 99w^2 + 8w \end{aligned}$$

$$\begin{aligned} 5. & (-5f^3 + 4f^2 + 3f)(6f^5 - 6f^4 + 8f^3)(7f^3 + 3f^2 - 5f) \\ & = -210f^{11} + 288f^{10} - 10f^9 - 310f^8 + 440f^7 + 2f^6 - 120f^5 \end{aligned}$$