

Multiplicar Tres Polinomios (J)

Simplifique cada expresión.

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

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

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

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

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

Multiplicar Tres Polinomios (J) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. & (8t^4 + 8t^3 + 4t^2)(-t^4 - 8t^3 - 3t^2)(-6t^5 + 6t^4 + 6t^3) \\ & = 48t^{13} + 384t^{12} + 72t^{11} - 648t^{10} - 816t^9 - 408t^8 - 72t^7 \end{aligned}$$

$$\begin{aligned} 2. & (9x^5 - 6x^4 - x^3)(8x^5 + 3x^4 + 5x^3)(-2x^2 - 3x + 5) \\ & = -144x^{12} - 174x^{11} + 385x^{10} - 96x^9 + 204x^8 - 150x^7 - 25x^6 \end{aligned}$$

$$\begin{aligned} 3. & (4r^3 + 6r^2 - r)(6r^2 - 3r + 6)(-4r^5 - r^4 - r^3) \\ & = -96r^{10} - 120r^9 - 48r^8 - 180r^7 - 15r^6 - 33r^5 + 6r^4 \end{aligned}$$

$$\begin{aligned} 4. & (6y^3 - 5y^2 + 2y)(-2y^5 + 6y^4 + y^3)(-2y^4 - y^3 + 6y^2) \\ & = 24y^{12} - 80y^{11} - 62y^{10} + 290y^9 - 179y^8 + 40y^7 + 12y^6 \end{aligned}$$

$$\begin{aligned} 5. & (7a^4 + 3a^3 + 8a^2)(8a^5 + a^4 + 4a^3)(-2a^5 - 9a^4 - a^3) \\ & = -112a^{14} - 566a^{13} - 525a^{12} - 926a^{11} - 339a^{10} - 308a^9 - 32a^8 \end{aligned}$$