

## Multiplicar Tres Polinomios (C)

Simplifique cada expresión.

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

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

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

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

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

## Multiplicar Tres Polinomios (C) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. & (-5d^3 - d^2)(4d^5 - 5d^4 - 5d^3)(8d^5 + 8d^4 - 5d^3) \\ & = -160d^{13} + 8d^{12} + 508d^{11} + 175d^{10} - 110d^9 - 25d^8 \end{aligned}$$

$$\begin{aligned} 2. & (7k^4 + 9k^3)(7k^5 + 6k^4 + 2k^3)(4k^3 + 7k^2 - 7k) \\ & = 196k^{12} + 763k^{11} + 664k^{10} - 187k^9 - 350k^8 - 126k^7 \end{aligned}$$

$$\begin{aligned} 3. & (-s^4 + s^3)(4s^2 + 3s - 1)(-3s^5 + s^4 + 6s^3) \\ & = 12s^{11} - 7s^{10} - 35s^9 + 13s^8 + 23s^7 - 6s^6 \end{aligned}$$

$$\begin{aligned} 4. & (7d^5 + d^4)(6d^2 + 3d + 9)(6d^3 - 3d^2 + 3d) \\ & = 252d^{10} + 36d^9 + 441d^8 - 63d^7 + 171d^6 + 27d^5 \end{aligned}$$

$$\begin{aligned} 5. & (8b - 6)(3b^4 - 9b^3 + 6b^2)(9b^2 + 3b + 6) \\ & = 216b^7 - 738b^6 + 792b^5 - 558b^4 + 504b^3 - 216b^2 \end{aligned}$$