

## Multiplicar Tres Polinomios (C)

Simplifique cada expresión.

1.  $(-3q^5 + 5q^4)(3q^5 + 6q^4)(7q + 9)$

2.  $(8f^3 - 6f^2)(6f + 6)(9f + 3)$

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

4.  $(f^5 - 9f^4)(4f^2 - 3f)(f^2 - f)$

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

## Multiplicar Tres Polinomios (C) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. & (-3q^5 + 5q^4)(3q^5 + 6q^4)(7q + 9) \\ & = -63q^{11} - 102q^{10} + 183q^9 + 270q^8 \end{aligned}$$

$$\begin{aligned} 2. & (8f^3 - 6f^2)(6f + 6)(9f + 3) \\ & = 432f^5 + 252f^4 - 288f^3 - 108f^2 \end{aligned}$$

$$\begin{aligned} 3. & (-k^2 + 9k)(3k^5 - 7k^4)(-9k - 3) \\ & = 27k^8 - 297k^7 + 465k^6 + 189k^5 \end{aligned}$$

$$\begin{aligned} 4. & (f^5 - 9f^4)(4f^2 - 3f)(f^2 - f) \\ & = 4f^9 - 43f^8 + 66f^7 - 27f^6 \end{aligned}$$

$$\begin{aligned} 5. & (4v^5 + 7v^4)(-4v^3 + 7v^2)(-2v^3 + 5v^2) \\ & = 32v^{11} - 80v^{10} - 98v^9 + 245v^8 \end{aligned}$$