

## Multiplicar Tres Polinomios (C)

Simplifique cada expresión.

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

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

3.  $(-9t^2 - 4t - 7)(-8t^5 + 6t^4 - t^3)(-9t^4 - t^3 + 7t^2)$

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

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

## Multiplicar Tres Polinomios (C) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. & (-v^5 + 3v^4 + 5v^3)(-v^2 + 7v - 3)(-5v^5 - 2v^4 + 7v^3) \\ & = -5v^{12} + 48v^{11} - 68v^{10} - 238v^9 + 156v^8 + 212v^7 - 105v^6 \end{aligned}$$

$$\begin{aligned} 2. & (6g^5 + 5g^4 + 4g^3)(-4g^3 + 5g^2 - 3g)(2g^3 + g^2 - 6g) \\ & = -48g^{11} - 4g^{10} + 136g^9 - 59g^8 + 35g^7 - 42g^6 + 72g^5 \end{aligned}$$

$$\begin{aligned} 3. & (-9t^2 - 4t - 7)(-8t^5 + 6t^4 - t^3)(-9t^4 - t^3 + 7t^2) \\ & = -648t^{11} + 126t^{10} + 157t^9 + 147t^8 + 262t^7 - 273t^6 + 49t^5 \end{aligned}$$

$$\begin{aligned} 4. & (5c^5 - 7c^4 - 5c^3)(-4c^5 + 2c^4 - 7c^3)(-2c^5 + c^4 + 3c^3) \\ & = 40c^{15} - 96c^{14} + 36c^{13} + 7c^{12} - 118c^{11} + 152c^{10} + 105c^9 \end{aligned}$$

$$\begin{aligned} 5. & (-3t^2 + 6t - 7)(2t^2 + t + 9)(-5t^5 + 3t^4 + 4t^3) \\ & = 30t^9 - 63t^8 + 178t^7 - 304t^6 + 316t^5 - 1t^4 - 252t^3 \end{aligned}$$