

Multiplicar Tres Polinomios (H)

Simplifique cada expresión.

1. $(3v^5 + 5v^4 - 9v^3)(8v^3 + 3v^2 + 6v)(-5v^3 + 2v^2 - v)$

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

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

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

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

Multiplicar Tres Polinomios (H) Respuestas

Simplifique cada expresión.

$$\begin{aligned} 1. & (3v^5 + 5v^4 - 9v^3)(8v^3 + 3v^2 + 6v)(-5v^3 + 2v^2 - v) \\ & = -120v^{11} - 197v^{10} + 269v^9 - 142v^8 + 315v^7 - 111v^6 + 54v^5 \end{aligned}$$

$$\begin{aligned} 2. & (-5v^5 - v^4 - 8v^3)(9v^3 + 5v^2 + 8v)(4v^4 - 6v^3 + 8v^2) \\ & = -180v^{12} + 134v^{11} - 624v^{10} + 238v^9 - 904v^8 - 512v^6 \end{aligned}$$

$$\begin{aligned} 3. & (-8q^2 - 2q - 7)(-5q^4 - 2q^3 + 5q^2)(-5q^4 + 9q^3 + 5q^2) \\ & = -200q^{10} + 230q^9 + 439q^8 + 101q^7 + 206q^6 - 295q^5 - 175q^4 \end{aligned}$$

$$\begin{aligned} 4. & (7y^5 + 2y^4 - 8y^3)(-6y^5 - 6y^4 + 3y^3)(5y^3 - 6y^2 + 3y) \\ & = -210y^{13} - 18y^{12} + 483y^{11} - 234y^{10} - 273y^9 + 306y^8 - 72y^7 \end{aligned}$$

$$\begin{aligned} 5. & (-4g^2 - 5g + 9)(-8g^5 + 8g^4 + g^3)(8g^5 + 5g^4 + 5g^3) \\ & = 256g^{12} + 224g^{11} - 728g^{10} - 4g^9 - 173g^8 + 380g^7 + 45g^6 \end{aligned}$$