

Multiplicar Tres Polinomios (A)

Simplifique cada expresión.

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

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

$$3. (2h^4 - 2h^3)(3h^3 + 8h^2)(-h^3 - h^2)$$

$$4. (-f^4 - 7f^3)(8f^3 + 4f^2)(4f^4 + 4f^3)$$

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

Multiplicar Tres Polinomios (A) Respuestas

Simplifique cada expresión.

$$1. (-5g^2 + 9g)(-2g^5 - 6g^4)(-g^5 - 8g^4)$$
$$= -10g^{12} - 92g^{11} - 42g^{10} + 432g^9$$

$$2. (-2f^2 - 5f)(7f^2 + f)(-3f^4 - 9f^3)$$
$$= 42f^8 + 237f^7 + 348f^6 + 45f^5$$

$$3. (2h^4 - 2h^3)(3h^3 + 8h^2)(-h^3 - h^2)$$
$$= -6h^{10} - 16h^9 + 6h^8 + 16h^7$$

$$4. (-f^4 - 7f^3)(8f^3 + 4f^2)(4f^4 + 4f^3)$$
$$= -32f^{11} - 272f^{10} - 352f^9 - 112f^8$$

$$5. (-2x^4 + 8x^3)(-4x^3 - 6x^2)(-4x^2 + 2x)$$
$$= -32x^9 + 96x^8 + 152x^7 - 96x^6$$

Multiplicar Tres Polinomios (B)

Simplifique cada expresión.

$$1. (-7a^4 - 8a^3)(-5a - 7)(-8a - 2)$$

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

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

$$4. (-4p^3 + 9p^2)(-4p - 3)(-p^2 - 4p)$$

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

Multiplicar Tres Polinomios (B) Respuestas

Simplifique cada expresión.

$$1. (-7a^4 - 8a^3)(-5a - 7)(-8a - 2)$$
$$= -280a^6 - 782a^5 - 626a^4 - 112a^3$$

$$2. (6v^4 + 5v^3)(v^5 + 3v^4)(-v - 3)$$
$$= -6v^{10} - 41v^9 - 84v^8 - 45v^7$$

$$3. (-9t^2 + 5t)(5t^4 + 7t^3)(4t^5 + 6t^4)$$
$$= -180t^{11} - 422t^{10} - 88t^9 + 210t^8$$

$$4. (-4p^3 + 9p^2)(-4p - 3)(-p^2 - 4p)$$
$$= -16p^6 - 40p^5 + 123p^4 + 108p^3$$

$$5. (-6m^4 + 9m^3)(8m^3 - 5m^2)(-9m^2 - 3m)$$
$$= 432m^9 - 774m^8 + 99m^7 + 135m^6$$

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.

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

$$2. (8f^3 - 6f^2)(6f + 6)(9f + 3)$$
$$= 432f^5 + 252f^4 - 288f^3 - 108f^2$$

$$3. (-k^2 + 9k)(3k^5 - 7k^4)(-9k - 3)$$
$$= 27k^8 - 297k^7 + 465k^6 + 189k^5$$

$$4. (f^5 - 9f^4)(4f^2 - 3f)(f^2 - f)$$
$$= 4f^9 - 43f^8 + 66f^7 - 27f^6$$

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

Multiplicar Tres Polinomios (D)

Simplifique cada expresión.

$$1. (5k^3 - 7k^2)(-9k^3 + 5k^2)(3k^4 - 6k^3)$$

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

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

$$4. (6m + 6)(9m^5 + 3m^4)(m^5 + 2m^4)$$

$$5. (8c^3 + 8c^2)(-5c^3 + 5c^2)(-8c + 5)$$

Multiplicar Tres Polinomios (D) Respuestas

Simplifique cada expresión.

$$1. (5k^3 - 7k^2)(-9k^3 + 5k^2)(3k^4 - 6k^3)$$
$$= -135k^{10} + 534k^9 - 633k^8 + 210k^7$$

$$2. (-8z^4 - 3z^3)(-z^2 + 7z)(7z^2 - 6z)$$
$$= 56z^8 - 419z^7 + 171z^6 + 126z^5$$

$$3. (a^5 + 8a^4)(-5a^5 + 4a^4)(-4a^2 - 7a)$$
$$= 20a^{12} + 179a^{11} + 124a^{10} - 224a^9$$

$$4. (6m + 6)(9m^5 + 3m^4)(m^5 + 2m^4)$$
$$= 54m^{11} + 180m^{10} + 162m^9 + 36m^8$$

$$5. (8c^3 + 8c^2)(-5c^3 + 5c^2)(-8c + 5)$$
$$= 320c^7 - 200c^6 - 320c^5 + 200c^4$$

Multiplicar Tres Polinomios (E)

Simplifique cada expresión.

$$1. (-4k^5 - 9k^4)(5k^4 - 9k^3)(-8k^3 - 7k^2)$$

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

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

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

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

Multiplicar Tres Polinomios (E) Respuestas

Simplifique cada expresión.

$$1. (-4k^5 - 9k^4)(5k^4 - 9k^3)(-8k^3 - 7k^2)$$
$$= 160k^{12} + 212k^{11} - 585k^{10} - 567k^9$$

$$2. (6d^5 + 6d^4)(-9d^3 + 2d^2)(d + 3)$$
$$= -54d^9 - 204d^8 - 114d^7 + 36d^6$$

$$3. (-4s^5 - 7s^4)(s^2 - 5s)(-6s + 2)$$
$$= 24s^8 - 86s^7 - 184s^6 + 70s^5$$

$$4. (-5b^3 + b^2)(3b^4 + 5b^3)(b^5 - 8b^4)$$
$$= -15b^{12} + 98b^{11} + 181b^{10} - 40b^9$$

$$5. (-8w^5 + 9w^4)(9w^4 + 6w^3)(-8w^4 + 8w^3)$$
$$= 576w^{13} - 840w^{12} - 168w^{11} + 432w^{10}$$

Multiplicar Tres Polinomios (F)

Simplifique cada expresión.

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

$$2. (3g^2 + 3g)(6g + 7)(-7g^4 - 4g^3)$$

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

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

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

Multiplicar Tres Polinomios (F) Respuestas

Simplifique cada expresión.

$$1. (-2k^4 - k^3)(-5k^3 + 6k^2)(8k - 1)$$
$$= 80k^8 - 66k^7 - 41k^6 + 6k^5$$

$$2. (3g^2 + 3g)(6g + 7)(-7g^4 - 4g^3)$$
$$= -126g^7 - 345g^6 - 303g^5 - 84g^4$$

$$3. (5r^2 - 5r)(-2r^4 + 3r^3)(-3r^5 - 4r^4)$$
$$= 30r^{11} - 35r^{10} - 55r^9 + 60r^8$$

$$4. (-7s^2 + 3s)(-5s^3 - 2s^2)(-7s + 5)$$
$$= -245s^6 + 182s^5 + 37s^4 - 30s^3$$

$$5. (-5h^5 - 2h^4)(4h^5 - 4h^4)(-8h^3 + 5h^2)$$
$$= 160h^{13} - 196h^{12} - 4h^{11} + 40h^{10}$$

Multiplicar Tres Polinomios (G)

Simplifique cada expresión.

$$1. (-7f^5 - 7f^4)(9f^3 - 7f^2)(6f^5 + 2f^4)$$

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

$$3. (-7b^4 + b^3)(-b^3 - b^2)(4b^2 - 7b)$$

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

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

Multiplicar Tres Polinomios (G) Respuestas

Simplifique cada expresión.

$$1. (-7f^5 - 7f^4)(9f^3 - 7f^2)(6f^5 + 2f^4)$$
$$= -378f^{13} - 210f^{12} + 266f^{11} + 98f^{10}$$

$$2. (3n + 4)(-6n^5 + 3n^4)(2n^4 + 5n^3)$$
$$= -36n^{10} - 120n^9 - 51n^8 + 60n^7$$

$$3. (-7b^4 + b^3)(-b^3 - b^2)(4b^2 - 7b)$$
$$= 28b^9 - 25b^8 - 46b^7 + 7b^6$$

$$4. (y^3 - 2y^2)(-7y^4 - 5y^3)(-9y^4 + 6y^3)$$
$$= 63y^{11} - 123y^{10} - 36y^9 + 60y^8$$

$$5. (-8y^5 - 4y^4)(-4y - 7)(y^3 + 8y^2)$$
$$= 32y^9 + 328y^8 + 604y^7 + 224y^6$$

Multiplicar Tres Polinomios (H)

Simplifique cada expresión.

$$1. (6g - 9)(7g - 8)(8g - 6)$$

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

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

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

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

Multiplicar Tres Polinomios (H) Respuestas

Simplifique cada expresión.

$$1. \ (6g - 9)(7g - 8)(8g - 6)$$
$$= 336g^3 - 1140g^2 + 1242g - 432$$

$$2. \ (-5h^2 + 3h)(-2h^3 + 4h^2)(9h^3 - 3h^2)$$
$$= 90h^8 - 264h^7 + 186h^6 - 36h^5$$

$$3. \ (6y^5 - y^4)(3y^2 + 3y)(y^3 - 6y^2)$$
$$= 18y^{10} - 93y^9 - 93y^8 + 18y^7$$

$$4. \ (-5s^3 + 5s^2)(7s - 6)(s^4 - 9s^3)$$
$$= -35s^8 + 380s^7 - 615s^6 + 270s^5$$

$$5. \ (3g^2 + 9g)(-4g^3 + 7g^2)(-5g^5 - 7g^4)$$
$$= 60g^{10} + 159g^9 - 210g^8 - 441g^7$$

Multiplicar Tres Polinomios (I)

Simplifique cada expresión.

$$1. (-8y^5 + 6y^4)(9y^3 + 6y^2)(y^4 + 7y^3)$$

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

$$3. (-4m^5 - 2m^4)(5m^5 - 2m^4)(-6m^4 - 3m^3)$$

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

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

Multiplicar Tres Polinomios (I) Respuestas

Simplifique cada expresión.

$$1. (-8y^5 + 6y^4)(9y^3 + 6y^2)(y^4 + 7y^3)$$
$$= -72y^{12} - 498y^{11} + 78y^{10} + 252y^9$$

$$2. (-8d - 7)(-9d - 9)(d^4 + 6d^3)$$
$$= 72d^6 + 567d^5 + 873d^4 + 378d^3$$

$$3. (-4m^5 - 2m^4)(5m^5 - 2m^4)(-6m^4 - 3m^3)$$
$$= 120m^{14} + 72m^{13} - 18m^{12} - 12m^{11}$$

$$4. (-6b + 9)(5b^4 + 8b^3)(b + 8)$$
$$= -30b^6 - 243b^5 + 48b^4 + 576b^3$$

$$5. (-8c^4 - 4c^3)(8c + 9)(5c^3 - 6c^2)$$
$$= -320c^8 - 136c^7 + 444c^6 + 216c^5$$

Multiplicar Tres Polinomios (J)

Simplifique cada expresión.

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

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

$$3. (-9y + 1)(-7y^3 + 9y^2)(-2y^3 - 3y^2)$$

$$4. (-2h - 8)(-8h^2 + h)(-4h + 1)$$

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

Multiplicar Tres Polinomios (J) Respuestas

Simplifique cada expresión.

$$1. (-6q^2 - 6q)(-9q^2 + 6q)(5q^4 - 3q^3)$$
$$= 270q^8 - 72q^7 - 234q^6 + 108q^5$$

$$2. (-6n^3 - 3n^2)(3n^4 + 8n^3)(-9n^2 - 8n)$$
$$= 162n^9 + 657n^8 + 672n^7 + 192n^6$$

$$3. (-9y + 1)(-7y^3 + 9y^2)(-2y^3 - 3y^2)$$
$$= -126y^7 - 13y^6 + 246y^5 - 27y^4$$

$$4. (-2h - 8)(-8h^2 + h)(-4h + 1)$$
$$= -64h^4 - 232h^3 + 94h^2 - 8h$$

$$5. (-7w^5 - 7w^4)(9w^3 - 8w^2)(-4w^5 - 8w^4)$$
$$= 252w^{13} + 532w^{12} - 168w^{11} - 448w^{10}$$