

Multiplicar Dos Polinomios (A)

Simplifique cada expresión.

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

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

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

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

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

Multiplicar Dos Polinomios (A) Respuestas

Simplifique cada expresión.

$$1. (-n^3 - 6n^2 - n)(-7n^5 + 7n^4 - 8n^3)$$
$$= 7n^8 + 35n^7 - 27n^6 + 41n^5 + 8n^4$$

$$2. (-5k^5 + 3k^4 - 8k^3)(-3k^3 - 2k^2 - 9k)$$
$$= 15k^8 + k^7 + 63k^6 - 11k^5 + 72k^4$$

$$3. (2p^4 - 6p^3 - 2p^2)(5p^3 + 7p^2 - 3p)$$
$$= 10p^7 - 16p^6 - 58p^5 + 4p^4 + 6p^3$$

$$4. (5h^5 - 3h^4 + 2h^3)(6h^2 + 7h - 4)$$
$$= 30h^7 + 17h^6 - 29h^5 + 26h^4 - 8h^3$$

$$5. (-2b^5 + 9b^4 + 4b^3)(-8b^5 - 3b^4 + 7b^3)$$
$$= 16b^{10} - 66b^9 - 73b^8 + 51b^7 + 28b^6$$

Multiplicar Dos Polinomios (B)

Simplifique cada expresión.

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

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

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

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

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

Multiplicar Dos Polinomios (B) Respuestas

Simplifique cada expresión.

$$1. (-7f^5 - 9f^4 - 9f^3)(4f^5 + 6f^4 + 3f^3)$$
$$= -28f^{10} - 78f^9 - 111f^8 - 81f^7 - 27f^6$$

$$2. (m^2 + 5m + 5)(-9m^5 - 6m^4 - 2m^3)$$
$$= -9m^7 - 51m^6 - 77m^5 - 40m^4 - 10m^3$$

$$3. (-9x^4 + 9x^3 - 6x^2)(-6x^4 - 9x^3 - 3x^2)$$
$$= 54x^8 + 27x^7 - 18x^6 + 27x^5 + 18x^4$$

$$4. (8m^5 - 4m^4 + 2m^3)(-3m^4 - 3m^3 + 5m^2)$$
$$= -24m^9 - 12m^8 + 46m^7 - 26m^6 + 10m^5$$

$$5. (-7n^2 + n - 8)(5n^3 + 7n^2 + n)$$
$$= -35n^5 - 44n^4 - 40n^3 - 55n^2 - 8n$$

Multiplicar Dos Polinomios (C)

Simplifique cada expresión.

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

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

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

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

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

Multiplicar Dos Polinomios (C) Respuestas

Simplifique cada expresión.

$$1. (5w^4 - 8w^3 - 7w^2)(6w^5 - 3w^4 + 8w^3)$$
$$= 30w^9 - 63w^8 + 22w^7 - 43w^6 - 56w^5$$

$$2. (2b^2 - 8b - 6)(-3b^2 + 6b + 3)$$
$$= -6b^4 + 36b^3 - 24b^2 - 60b - 18$$

$$3. (2v^4 + v^3 - 4v^2)(-2v^5 + 8v^4 - 4v^3)$$
$$= -4v^9 + 14v^8 + 8v^7 - 36v^6 + 16v^5$$

$$4. (-6m^5 + 7m^4 + 7m^3)(-m^3 + 4m^2 + 8m)$$
$$= 6m^8 - 31m^7 - 27m^6 + 84m^5 + 56m^4$$

$$5. (4x^5 + 6x^4 + 7x^3)(8x^5 + 3x^4 - 6x^3)$$
$$= 32x^{10} + 60x^9 + 50x^8 - 15x^7 - 42x^6$$

Multiplicar Dos Polinomios (D)

Simplifique cada expresión.

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

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

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

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

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

Multiplicar Dos Polinomios (D) Respuestas

Simplifique cada expresión.

$$1. (-2c^5 - 4c^4 - 9c^3)(-8c^4 + 9c^3 + 5c^2)$$
$$= 16c^9 + 14c^8 + 26c^7 - 101c^6 - 45c^5$$

$$2. (-7q^4 + 4q^3 - 8q^2)(-5q^5 + 8q^4 + 8q^3)$$
$$= 35q^9 - 76q^8 + 16q^7 - 32q^6 - 64q^5$$

$$3. (-3y^2 + 6y - 9)(8y^2 + 4y - 2)$$
$$= -24y^4 + 36y^3 - 42y^2 - 48y + 18$$

$$4. (3c^5 + 8c^4 - 9c^3)(4c^4 + 4c^3 - 4c^2)$$
$$= 12c^9 + 44c^8 - 16c^7 - 68c^6 + 36c^5$$

$$5. (3a^2 - 9a + 9)(3a^3 + 9a^2 + 8a)$$
$$= 9a^5 - 30a^3 + 9a^2 + 72a$$

Multiplicar Dos Polinomios (E)

Simplifique cada expresión.

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

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

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

$$4. (3n^5 - 8n^4 - 3n^3)(-8n^3 - 5n^2 - 8n)$$

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

Multiplicar Dos Polinomios (E) Respuestas

Simplifique cada expresión.

$$1. (-2s^2 + 4s + 6)(5s^3 - 8s^2 + 8s)$$
$$= -10s^5 + 36s^4 - 18s^3 - 16s^2 + 48s$$

$$2. (a^5 - 5a^4 + 2a^3)(-7a^5 - a^4 - a^3)$$
$$= -7a^{10} + 34a^9 - 10a^8 + 3a^7 - 2a^6$$

$$3. (-6z^2 - 4z + 8)(z^2 - 6z - 5)$$
$$= -6z^4 + 32z^3 + 62z^2 - 28z - 40$$

$$4. (3n^5 - 8n^4 - 3n^3)(-8n^3 - 5n^2 - 8n)$$
$$= -24n^8 + 49n^7 + 40n^6 + 79n^5 + 24n^4$$

$$5. (3s^4 + 7s^3 + s^2)(2s^5 + 6s^4 - s^3)$$
$$= 6s^9 + 32s^8 + 41s^7 - s^6 - s^5$$

Multiplicar Dos Polinomios (F)

Simplifique cada expresión.

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

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

$$3. (-p^4 - p^3 - 2p^2)(-9p^2 - 6p - 1)$$

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

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

Multiplicar Dos Polinomios (F) Respuestas

Simplifique cada expresión.

$$1. (6g^5 - 4g^4 + 8g^3)(-3g^5 - 8g^4 - 6g^3)$$
$$= -18g^{10} - 36g^9 - 28g^8 - 40g^7 - 48g^6$$

$$2. (-n^4 - 3n^3 - 9n^2)(4n^4 - 8n^3 + 2n^2)$$
$$= -4n^8 - 4n^7 - 14n^6 + 66n^5 - 18n^4$$

$$3. (-p^4 - p^3 - 2p^2)(-9p^2 - 6p - 1)$$
$$= 9p^6 + 15p^5 + 25p^4 + 13p^3 + 2p^2$$

$$4. (-3h^2 + 4h + 9)(-5h^5 + 7h^4 - 8h^3)$$
$$= 15h^7 - 41h^6 + 7h^5 + 31h^4 - 72h^3$$

$$5. (-4d^4 + 3d^3 + 2d^2)(8d^5 + 2d^4 - 5d^3)$$
$$= -32d^9 + 16d^8 + 42d^7 - 11d^6 - 10d^5$$

Multiplicar Dos Polinomios (G)

Simplifique cada expresión.

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

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

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

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

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

Multiplicar Dos Polinomios (G) Respuestas

Simplifique cada expresión.

$$1. (-5q^3 + 8q^2 + 7q)(5q^3 - 9q^2 + 4q)$$
$$= -25q^6 + 85q^5 - 57q^4 - 31q^3 + 28q^2$$

$$2. (2w^5 - 2w^4 - 4w^3)(-4w^4 - 2w^3 + w^2)$$
$$= -8w^9 + 4w^8 + 22w^7 + 6w^6 - 4w^5$$

$$3. (-3w^3 + 6w^2 + 2w)(8w^4 + w^3 - 4w^2)$$
$$= -24w^7 + 45w^6 + 34w^5 - 22w^4 - 8w^3$$

$$4. (8s^5 - 6s^4 - 5s^3)(s^4 - 3s^3 - 5s^2)$$
$$= 8s^9 - 30s^8 - 27s^7 + 45s^6 + 25s^5$$

$$5. (-6z^5 + 3z^4 + 9z^3)(8z^5 + z^4 + 7z^3)$$
$$= -48z^{10} + 18z^9 + 33z^8 + 30z^7 + 63z^6$$

Multiplicar Dos Polinomios (H)

Simplifique cada expresión.

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

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

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

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

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

Multiplicar Dos Polinomios (H) Respuestas

Simplifique cada expresión.

$$1. (5s^5 - 5s^4 - 5s^3)(3s^5 + 9s^4 - 2s^3)$$
$$= 15s^{10} + 30s^9 - 70s^8 - 35s^7 + 10s^6$$

$$2. (-7t^4 - 6t^3 - 9t^2)(9t^2 - 5t - 9)$$
$$= -63t^6 - 19t^5 + 12t^4 + 99t^3 + 81t^2$$

$$3. (7x^4 + 6x^3 + 5x^2)(9x^3 + x^2 - x)$$
$$= 63x^7 + 61x^6 + 44x^5 - x^4 - 5x^3$$

$$4. (-8v^2 + 3v - 1)(v^5 + 6v^4 - 2v^3)$$
$$= -8v^7 - 45v^6 + 33v^5 - 12v^4 + 2v^3$$

$$5. (-7x^2 - 2x - 6)(-5x^4 - 8x^3 - x^2)$$
$$= 35x^6 + 66x^5 + 53x^4 + 50x^3 + 6x^2$$

Multiplicar Dos Polinomios (I)

Simplifique cada expresión.

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

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

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

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

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

Multiplicar Dos Polinomios (I) Respuestas

Simplifique cada expresión.

$$1. (7b^5 - 3b^4 + 2b^3)(7b^5 + b^4 + 3b^3)$$
$$= 49b^{10} - 14b^9 + 32b^8 - 7b^7 + 6b^6$$

$$2. (5x^4 + 3x^3 - 6x^2)(-2x^4 + 7x^3 + 6x^2)$$
$$= -10x^8 + 29x^7 + 63x^6 - 24x^5 - 36x^4$$

$$3. (-8c^3 - 9c^2 - 2c)(8c^4 - c^3 + 5c^2)$$
$$= -64c^7 - 64c^6 - 47c^5 - 43c^4 - 10c^3$$

$$4. (-4c^2 + 4c + 9)(-2c^3 + c^2 + c)$$
$$= 8c^5 - 12c^4 - 18c^3 + 13c^2 + 9c$$

$$5. (-8s^5 + 6s^4 + 4s^3)(-5s^2 + 3s - 3)$$
$$= 40s^7 - 54s^6 + 22s^5 - 6s^4 - 12s^3$$

Multiplicar Dos Polinomios (J)

Simplifique cada expresión.

$$1. (-2w^2 + 5w - 5)(8w^3 - 3w^2 + 7w)$$

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

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

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

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

Multiplicar Dos Polinomios (J) Respuestas

Simplifique cada expresión.

$$1. (-2w^2 + 5w - 5)(8w^3 - 3w^2 + 7w)$$
$$= -16w^5 + 46w^4 - 69w^3 + 50w^2 - 35w$$

$$2. (-7r^3 + 5r^2 + 6r)(2r^3 - 4r^2 - r)$$
$$= -14r^6 + 38r^5 - r^4 - 29r^3 - 6r^2$$

$$3. (-3x^3 - 2x^2 + 6x)(-6x^5 - 5x^4 + 2x^3)$$
$$= 18x^8 + 27x^7 - 32x^6 - 34x^5 + 12x^4$$

$$4. (-6q^2 - 9q - 5)(-9q^4 - 6q^3 - 4q^2)$$
$$= 54q^6 + 117q^5 + 123q^4 + 66q^3 + 20q^2$$

$$5. (2s^4 + 2s^3 + 6s^2)(-4s^3 + 7s^2 - s)$$
$$= -8s^7 + 6s^6 - 12s^5 + 40s^4 - 6s^3$$