

Multiplication de Deux Trinômes (A)

Simplifiez chaque expression.

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

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

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

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

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

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

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

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

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

$$10. (-8r^5 + r^4 - 8r^3)(-8r^3 - 4r^2 + 9r)$$

Multiplication de Deux Trinômes (A) Réponses

Simplifiez chaque expression.

$$1. (-s^2 + 6s - 6)(-4s^5 + 7s^4 + 5s^3)$$
$$= 4s^7 - 31s^6 + 61s^5 - 12s^4 - 30s^3$$

$$2. (p^2 - 8p - 3)(3p^2 - 2p + 6)$$
$$= 3p^4 - 26p^3 + 13p^2 - 42p - 18$$

$$3. (-5v^3 - v^2 - 5v)(3v^4 - 8v^3 + v^2)$$
$$= -15v^7 + 37v^6 - 12v^5 + 39v^4 - 5v^3$$

$$4. (7h^4 - 8h^3 - 3h^2)(9h^2 - 6h - 2)$$
$$= 63h^6 - 114h^5 + 7h^4 + 34h^3 + 6h^2$$

$$5. (4t^4 + 3t^3 + 5t^2)(-4t^5 + t^4 - 9t^3)$$
$$= -16t^9 - 8t^8 - 53t^7 - 22t^6 - 45t^5$$

$$6. (3f^2 - 4f + 6)(-8f^2 - f - 1)$$
$$= -24f^4 + 29f^3 - 47f^2 - 2f - 6$$

$$7. (-2y^3 - y^2 + 7y)(6y^2 + 9y + 9)$$
$$= -12y^5 - 24y^4 + 15y^3 + 54y^2 + 63y$$

$$8. (-9h^3 - 8h^2 - 8h)(-5h^5 + 7h^4 - 6h^3)$$
$$= 45h^8 - 23h^7 + 38h^6 - 8h^5 + 48h^4$$

$$9. (4q^2 - 3q - 7)(-9q^5 - 5q^4 + 9q^3)$$
$$= -36q^7 + 7q^6 + 114q^5 + 8q^4 - 63q^3$$

$$10. (-8r^5 + r^4 - 8r^3)(-8r^3 - 4r^2 + 9r)$$
$$= 64r^8 + 24r^7 - 12r^6 + 41r^5 - 72r^4$$

Multiplication de Deux Trinômes (B)

Simplifiez chaque expression.

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

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

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

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

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

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

$$7. (3q^3 - 9q^2 + 3q)(-6q^3 + 9q^2 - q)$$

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

$$9. (-9r^5 - 3r^4 + 4r^3)(-9r^5 - 9r^4 + 5r^3)$$

$$10. (-9v^3 - 5v^2 + 5v)(6v^2 - 3v + 7)$$

Multiplication de Deux Trinômes (B) Réponses

Simplifiez chaque expression.

$$1. (4q^5 - q^4 + 8q^3)(-4q^2 - 7q - 7)$$
$$= -16q^7 - 24q^6 - 53q^5 - 49q^4 - 56q^3$$

$$2. (-z^2 + 2z + 4)(7z^5 + 4z^4 + 6z^3)$$
$$= -7z^7 + 10z^6 + 30z^5 + 28z^4 + 24z^3$$

$$3. (-4t^5 - t^4 - 7t^3)(-t^3 + 6t^2 + 6t)$$
$$= 4t^8 - 23t^7 - 23t^6 - 48t^5 - 42t^4$$

$$4. (-3y^3 - 6y^2 + 6y)(-4y^3 - 3y^2 + 9y)$$
$$= 12y^6 + 33y^5 - 33y^4 - 72y^3 + 54y^2$$

$$5. (-4q^2 + 9q + 8)(-6q^5 - 9q^4 - 8q^3)$$
$$= 24q^7 - 18q^6 - 97q^5 - 144q^4 - 64q^3$$

$$6. (6c^5 + 5c^4 + 5c^3)(-8c^4 + 8c^3 + c^2)$$
$$= -48c^9 + 8c^8 + 6c^7 + 45c^6 + 5c^5$$

$$7. (3q^3 - 9q^2 + 3q)(-6q^3 + 9q^2 - q)$$
$$= -18q^6 + 81q^5 - 102q^4 + 36q^3 - 3q^2$$

$$8. (-5x^4 + 3x^3 + 7x^2)(-8x^4 - 6x^3 + x^2)$$
$$= 40x^8 + 6x^7 - 79x^6 - 39x^5 + 7x^4$$

$$9. (-9r^5 - 3r^4 + 4r^3)(-9r^5 - 9r^4 + 5r^3)$$
$$= 81r^{10} + 108r^9 - 54r^8 - 51r^7 + 20r^6$$

$$10. (-9v^3 - 5v^2 + 5v)(6v^2 - 3v + 7)$$
$$= -54v^5 - 3v^4 - 18v^3 - 50v^2 + 35v$$

Multiplication de Deux Trinômes (C)

Simplifiez chaque expression.

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

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

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

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

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

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

$$7. (-t^2 - 8t + 1)(-2t^4 - 7t^3 - 3t^2)$$

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

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

$$10. (3p^3 - p^2 + 8p)(-8p^5 + 8p^4 - p^3)$$

Multiplication de Deux Trinômes (C) Réponses

Simplifiez chaque expression.

$$1. (8q^2 - 4q - 2)(7q^3 + 8q^2 - 2q)$$
$$= 56q^5 + 36q^4 - 62q^3 - 8q^2 + 4q$$

$$2. (-2g^2 - 6g + 8)(9g^2 + 2g - 2)$$
$$= -18g^4 - 58g^3 + 64g^2 + 28g - 16$$

$$3. (4q^4 + 7q^3 - 2q^2)(-q^4 + 9q^3 - 3q^2)$$
$$= -4q^8 + 29q^7 + 53q^6 - 39q^5 + 6q^4$$

$$4. (-4s^3 + 7s^2 - s)(-6s^5 + 7s^4 - 6s^3)$$
$$= 24s^8 - 70s^7 + 79s^6 - 49s^5 + 6s^4$$

$$5. (2q^3 + 9q^2 + q)(-6q^4 + 3q^3 - 8q^2)$$
$$= -12q^7 - 48q^6 + 5q^5 - 69q^4 - 8q^3$$

$$6. (2y^4 - 2y^3 - 7y^2)(-6y^4 - 8y^3 - 3y^2)$$
$$= -12y^8 - 4y^7 + 52y^6 + 62y^5 + 21y^4$$

$$7. (-t^2 - 8t + 1)(-2t^4 - 7t^3 - 3t^2)$$
$$= 2t^6 + 23t^5 + 57t^4 + 17t^3 - 3t^2$$

$$8. (x^5 - 8x^4 + 8x^3)(-6x^5 + x^4 + 5x^3)$$
$$= -6x^{10} + 49x^9 - 51x^8 - 32x^7 + 40x^6$$

$$9. (4v^4 + 2v^3 + 8v^2)(7v^2 - v + 8)$$
$$= 28v^6 + 10v^5 + 86v^4 + 8v^3 + 64v^2$$

$$10. (3p^3 - p^2 + 8p)(-8p^5 + 8p^4 - p^3)$$
$$= -24p^8 + 32p^7 - 75p^6 + 65p^5 - 8p^4$$

Multiplication de Deux Trinômes (D)

Simplifiez chaque expression.

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

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

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

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

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

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

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

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

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

$$10. (-3t^5 - 6t^4 - 6t^3)(5t^2 - 2t + 4)$$

Multiplication de Deux Trinômes (D) Réponses

Simplifiez chaque expression.

$$1. (3k^3 + 8k^2 + 2k)(5k^4 - 3k^3 + 9k^2)$$
$$= 15k^7 + 31k^6 + 13k^5 + 66k^4 + 18k^3$$

$$2. (-6z^3 + z^2 + 9z)(-4z^4 + 4z^3 - 3z^2)$$
$$= 24z^7 - 28z^6 - 14z^5 + 33z^4 - 27z^3$$

$$3. (-7m^2 - 4m - 8)(-6m^2 + 6m + 6)$$
$$= 42m^4 - 18m^3 - 18m^2 - 72m - 48$$

$$4. (-6g^5 - 3g^4 + 8g^3)(-2g^4 + 6g^3 - 7g^2)$$
$$= 12g^9 - 30g^8 + 8g^7 + 69g^6 - 56g^5$$

$$5. (2t^4 + 7t^3 - 6t^2)(3t^2 - 5t - 7)$$
$$= 6t^6 + 11t^5 - 67t^4 - 19t^3 + 42t^2$$

$$6. (8a^3 + 3a^2 + 9a)(4a^3 + 3a^2 - 2a)$$
$$= 32a^6 + 36a^5 + 29a^4 + 21a^3 - 18a^2$$

$$7. (6x^2 - 5x + 1)(-x^2 + 4x - 8)$$
$$= -6x^4 + 29x^3 - 69x^2 + 44x - 8$$

$$8. (4p^3 - 2p^2 - p)(-6p^3 + 3p^2 + 4p)$$
$$= -24p^6 + 24p^5 + 16p^4 - 11p^3 - 4p^2$$

$$9. (6g^3 - 3g^2 + 8g)(-8g^5 + 4g^4 + 4g^3)$$
$$= -48g^8 + 48g^7 - 52g^6 + 20g^5 + 32g^4$$

$$10. (-3t^5 - 6t^4 - 6t^3)(5t^2 - 2t + 4)$$
$$= -15t^7 - 24t^6 - 30t^5 - 12t^4 - 24t^3$$

Multiplication de Deux Trinômes (E)

Simplifiez chaque expression.

$$1. (6v^4 - 4v^3 + 6v^2)(-7v^2 + 3v - 4)$$

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

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

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

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

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

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

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

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

$$10. (-3r^2 + 9r - 1)(-9r^5 - 5r^4 + 5r^3)$$

Multiplication de Deux Trinômes (E) Réponses

Simplifiez chaque expression.

$$1. (6v^4 - 4v^3 + 6v^2)(-7v^2 + 3v - 4)$$
$$= -42v^6 + 46v^5 - 78v^4 + 34v^3 - 24v^2$$

$$2. (5a^2 - 2a + 2)(7a^2 + 8a + 4)$$
$$= 35a^4 + 26a^3 + 18a^2 + 8a + 8$$

$$3. (-7n^5 + 7n^4 + 7n^3)(5n^4 + 4n^3 - 6n^2)$$
$$= -35n^9 + 7n^8 + 105n^7 - 14n^6 - 42n^5$$

$$4. (7x^4 + 2x^3 + 7x^2)(9x^2 - 3x + 7)$$
$$= 63x^6 - 3x^5 + 106x^4 - 7x^3 + 49x^2$$

$$5. (2z^3 - 7z^2 - 4z)(4z^2 - 5z + 8)$$
$$= 8z^5 - 38z^4 + 35z^3 - 36z^2 - 32z$$

$$6. (3p^4 - 9p^3 - 6p^2)(2p^2 - 5p + 4)$$
$$= 6p^6 - 33p^5 + 45p^4 - 6p^3 - 24p^2$$

$$7. (8c^3 + 3c^2 - 6c)(c^2 + 3c + 8)$$
$$= 8c^5 + 27c^4 + 67c^3 + 6c^2 - 48c$$

$$8. (-3d^3 - 7d^2 + 5d)(-3d^3 - 9d^2 + 8d)$$
$$= 9d^6 + 48d^5 + 24d^4 - 101d^3 + 40d^2$$

$$9. (9a^4 + 6a^3 - a^2)(8a^2 + 7a + 8)$$
$$= 72a^6 + 111a^5 + 106a^4 + 41a^3 - 8a^2$$

$$10. (-3r^2 + 9r - 1)(-9r^5 - 5r^4 + 5r^3)$$
$$= 27r^7 - 66r^6 - 51r^5 + 50r^4 - 5r^3$$

Multiplication de Deux Trinômes (F)

Simplifiez chaque expression.

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

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

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

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

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

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

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

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

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

$$10. (6p^3 - 8p^2 + 9p)(-3p^2 + p - 2)$$

Multiplication de Deux Trinômes (F) Réponses

Simplifiez chaque expression.

$$1. (9c^5 + 3c^4 - 2c^3)(-9c^5 - 7c^4 - 8c^3)$$
$$= -81c^{10} - 90c^9 - 75c^8 - 10c^7 + 16c^6$$

$$2. (-2b^2 - 9b - 4)(-3b^2 + 2b + 9)$$
$$= 6b^4 + 23b^3 - 24b^2 - 89b - 36$$

$$3. (-8n^5 + 3n^4 + 3n^3)(5n^2 - 9n + 9)$$
$$= -40n^7 + 87n^6 - 84n^5 + 27n^3$$

$$4. (8s^2 - 5s - 7)(-2s^3 - 7s^2 + 3s)$$
$$= -16s^5 - 46s^4 + 73s^3 + 34s^2 - 21s$$

$$5. (-6w^4 - 5w^3 - w^2)(-8w^4 - 6w^3 - w^2)$$
$$= 48w^8 + 76w^7 + 44w^6 + 11w^5 + w^4$$

$$6. (4t^3 - 9t^2 + 4t)(-6t^3 + 9t^2 - 8t)$$
$$= -24t^6 + 90t^5 - 137t^4 + 108t^3 - 32t^2$$

$$7. (8z^2 + 9z - 5)(9z^5 + 2z^4 - 2z^3)$$
$$= 72z^7 + 97z^6 - 43z^5 - 28z^4 + 10z^3$$

$$8. (4t^4 - 2t^3 - 3t^2)(3t^2 - 2t + 7)$$
$$= 12t^6 - 14t^5 + 23t^4 - 8t^3 - 21t^2$$

$$9. (-6p^3 - 5p^2 - 2p)(-5p^4 - 9p^3 - 3p^2)$$
$$= 30p^7 + 79p^6 + 73p^5 + 33p^4 + 6p^3$$

$$10. (6p^3 - 8p^2 + 9p)(-3p^2 + p - 2)$$
$$= -18p^5 + 30p^4 - 47p^3 + 25p^2 - 18p$$

Multiplication de Deux Trinômes (G)

Simplifiez chaque expression.

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

$$2. (-5z^2 - 5z + 9)(7z^2 - 9z + 6)$$

$$3. (3x^3 - 5x^2 - 8x)(x^2 - 2x - 5)$$

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

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

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

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

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

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

$$10. (-5q^3 - 4q^2 - 9q)(-9q^5 + 8q^4 + 3q^3)$$

Multiplication de Deux Trinômes (G) Réponses

Simplifiez chaque expression.

$$1. (9r^5 + 4r^4 - 2r^3)(7r^5 - 8r^4 - r^3)$$
$$= 63r^{10} - 44r^9 - 55r^8 + 12r^7 + 2r^6$$

$$2. (-5z^2 - 5z + 9)(7z^2 - 9z + 6)$$
$$= -35z^4 + 10z^3 + 78z^2 - 111z + 54$$

$$3. (3x^3 - 5x^2 - 8x)(x^2 - 2x - 5)$$
$$= 3x^5 - 11x^4 - 13x^3 + 41x^2 + 40x$$

$$4. (4y^4 + 5y^3 - 5y^2)(4y^3 - 5y^2 + 3y)$$
$$= 16y^7 - 33y^5 + 40y^4 - 15y^3$$

$$5. (-7k^4 + 6k^3 + 9k^2)(-3k^4 + 3k^3 - 7k^2)$$
$$= 21k^8 - 39k^7 + 40k^6 - 15k^5 - 63k^4$$

$$6. (5t^3 + 2t^2 - 7t)(4t^3 + 4t^2 - 6t)$$
$$= 20t^6 + 28t^5 - 50t^4 - 40t^3 + 42t^2$$

$$7. (-5q^4 + 8q^3 - q^2)(-9q^4 - q^3 + 3q^2)$$
$$= 45q^8 - 67q^7 - 14q^6 + 25q^5 - 3q^4$$

$$8. (-6h^2 - 2h - 8)(8h^3 + 5h^2 + 6h)$$
$$= -48h^5 - 46h^4 - 110h^3 - 52h^2 - 48h$$

$$9. (-8q^2 - q - 4)(q^2 + q + 4)$$
$$= -8q^4 - 9q^3 - 37q^2 - 8q - 16$$

$$10. (-5q^3 - 4q^2 - 9q)(-9q^5 + 8q^4 + 3q^3)$$
$$= 45q^8 - 4q^7 + 34q^6 - 84q^5 - 27q^4$$

Multiplication de Deux Trinômes (H)

Simplifiez chaque expression.

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

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

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

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

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

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

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

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

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

$$10. (6k^3 - 2k^2 - 8k)(4k^4 + k^3 - 2k^2)$$

Multiplication de Deux Trinômes (H) Réponses

Simplifiez chaque expression.

$$1. (-8g^5 - 2g^4 + 2g^3)(5g^4 - 6g^3 + 4g^2)$$
$$= -40g^9 + 38g^8 - 10g^7 - 20g^6 + 8g^5$$

$$2. (-5t^5 + t^4 - 6t^3)(-5t^2 + 5t + 6)$$
$$= 25t^7 - 30t^6 + 5t^5 - 24t^4 - 36t^3$$

$$3. (6d^4 - 6d^3 + 9d^2)(3d^2 + 4d + 5)$$
$$= 18d^6 + 6d^5 + 33d^4 + 6d^3 + 45d^2$$

$$4. (2k^5 - 5k^4 + 2k^3)(4k^4 + 9k^3 + 9k^2)$$
$$= 8k^9 - 2k^8 - 19k^7 - 27k^6 + 18k^5$$

$$5. (6k^3 - 5k^2 + 4k)(-3k^3 + 6k^2 - 2k)$$
$$= -18k^6 + 51k^5 - 54k^4 + 34k^3 - 8k^2$$

$$6. (-4k^4 + 8k^3 - 2k^2)(-2k^2 + 2k - 6)$$
$$= 8k^6 - 24k^5 + 44k^4 - 52k^3 + 12k^2$$

$$7. (7b^2 + 8b + 4)(-4b^2 - 7b + 9)$$
$$= -28b^4 - 81b^3 - 9b^2 + 44b + 36$$

$$8. (-3v^3 - 4v^2 - 9v)(-5v^3 - v^2 + 9v)$$
$$= 15v^6 + 23v^5 + 22v^4 - 27v^3 - 81v^2$$

$$9. (3g^2 - 2g - 5)(-2g^4 - g^3 - 6g^2)$$
$$= -6g^6 + g^5 - 6g^4 + 17g^3 + 30g^2$$

$$10. (6k^3 - 2k^2 - 8k)(4k^4 + k^3 - 2k^2)$$
$$= 24k^7 - 2k^6 - 46k^5 - 4k^4 + 16k^3$$

Multiplication de Deux Trinômes (I)

Simplifiez chaque expression.

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

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

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

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

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

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

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

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

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

$$10. (-6h^5 - 6h^4 - 8h^3)(-4h^5 - 7h^4 + 4h^3)$$

Multiplication de Deux Trinômes (I) Réponses

Simplifiez chaque expression.

$$1. (2t^5 + 5t^4 - 6t^3)(-3t^5 + 4t^4 - t^3)$$
$$= -6t^{10} - 7t^9 + 36t^8 - 29t^7 + 6t^6$$

$$2. (-9d^2 - 6d + 2)(-6d^4 - 9d^3 + 6d^2)$$
$$= 54d^6 + 117d^5 - 12d^4 - 54d^3 + 12d^2$$

$$3. (-m^5 + 8m^4 - 7m^3)(6m^2 - 8m - 2)$$
$$= -6m^7 + 56m^6 - 104m^5 + 40m^4 + 14m^3$$

$$4. (8s^3 - 7s^2 - 4s)(s^3 - 5s^2 - 6s)$$
$$= 8s^6 - 47s^5 - 17s^4 + 62s^3 + 24s^2$$

$$5. (3a^4 + 4a^3 - 6a^2)(7a^5 + 9a^4 - 5a^3)$$
$$= 21a^9 + 55a^8 - 21a^7 - 74a^6 + 30a^5$$

$$6. (9a^4 - 5a^3 + 5a^2)(-4a^3 + 3a^2 - 2a)$$
$$= -36a^7 + 47a^6 - 53a^5 + 25a^4 - 10a^3$$

$$7. (-7q^5 - 4q^4 + 5q^3)(-3q^5 - 6q^4 - 9q^3)$$
$$= 21q^{10} + 54q^9 + 72q^8 + 6q^7 - 45q^6$$

$$8. (2f^5 + 5f^4 - f^3)(-6f^4 - 6f^3 - 7f^2)$$
$$= -12f^9 - 42f^8 - 38f^7 - 29f^6 + 7f^5$$

$$9. (-7q^4 + 9q^3 - 8q^2)(-2q^5 - 7q^4 - 8q^3)$$
$$= 14q^9 + 31q^8 + 9q^7 - 16q^6 + 64q^5$$

$$10. (-6h^5 - 6h^4 - 8h^3)(-4h^5 - 7h^4 + 4h^3)$$
$$= 24h^{10} + 66h^9 + 50h^8 + 32h^7 - 32h^6$$

Multiplication de Deux Trinômes (J)

Simplifiez chaque expression.

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

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

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

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

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

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

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

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

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

$$10. (-2f^4 + 9f^3 - 2f^2)(-f^2 - 2f - 5)$$

Multiplication de Deux Trinômes (J) Réponses

Simplifiez chaque expression.

$$1. (5p^4 + 4p^3 + 3p^2)(7p^5 + p^4 - 6p^3)$$
$$= 35p^9 + 33p^8 - 5p^7 - 21p^6 - 18p^5$$

$$2. (-4a^3 - 9a^2 - 6a)(-5a^5 - 6a^4 - 4a^3)$$
$$= 20a^8 + 69a^7 + 100a^6 + 72a^5 + 24a^4$$

$$3. (2g^3 - g^2 - 6g)(5g^5 - 3g^4 - 9g^3)$$
$$= 10g^8 - 11g^7 - 45g^6 + 27g^5 + 54g^4$$

$$4. (7k^3 + 6k^2 + 5k)(5k^5 - 9k^4 + 5k^3)$$
$$= 35k^8 - 33k^7 + 6k^6 - 15k^5 + 25k^4$$

$$5. (-7f^2 - 9f - 4)(-7f^3 - 7f^2 + 5f)$$
$$= 49f^5 + 112f^4 + 56f^3 - 17f^2 - 20f$$

$$6. (-3v^2 + 9v - 8)(-6v^3 - 6v^2 + v)$$
$$= 18v^5 - 36v^4 - 9v^3 + 57v^2 - 8v$$

$$7. (-6v^2 + 9v - 4)(6v^2 - 9v - 5)$$
$$= -36v^4 + 108v^3 - 75v^2 - 9v + 20$$

$$8. (8z^5 + 7z^4 + 6z^3)(-z^5 + 2z^4 + 4z^3)$$
$$= -8z^{10} + 9z^9 + 40z^8 + 40z^7 + 24z^6$$

$$9. (6t^2 - 9t - 5)(3t^4 + 3t^3 - 3t^2)$$
$$= 18t^6 - 9t^5 - 60t^4 + 12t^3 + 15t^2$$

$$10. (-2f^4 + 9f^3 - 2f^2)(-f^2 - 2f - 5)$$
$$= 2f^6 - 5f^5 - 6f^4 - 41f^3 + 10f^2$$