

Multiplication de Monômes et Polynômes (A)

Simplifiez chaque expression.

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

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

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

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

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

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

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

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

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

10. $9z^2(-6z^4 - 4z^3 - 8z^2)$

Multiplication de Monômes et Polynômes (A) Réponses

Simplifiez chaque expression.

$$1. (3r^3 - 7r^2)(-8r^4 - 9r^3) \\ = -24r^7 + 29r^6 + 63r^5$$

$$2. (6f^3 + 7f^2)(-4f^2 - 5f + 3) \\ = -24f^5 - 58f^4 - 17f^3 + 21f^2$$

$$3. (6h^5 + 6h^4)(h^2 - 9h + 3) \\ = 6h^7 - 48h^6 - 36h^5 + 18h^4$$

$$4. (y^3 - 3y^2)(6y^2 - 3y - 8) \\ = 6y^5 - 21y^4 + y^3 + 24y^2$$

$$5. (-3c^2 + 9c)(-c^5 + 4c^4 + 2c^3) \\ = 3c^7 - 21c^6 + 30c^5 + 18c^4$$

$$6. (4s^3 - 3s^2)(-9s^5 + s^4 - 3s^3) \\ = -36s^8 + 31s^7 - 15s^6 + 9s^5$$

$$7. (k^4 + 5k^3)(-9k^2 + k) \\ = -9k^6 - 44k^5 + 5k^4$$

$$8. (-6x^5 - 6x^4)(7x + 8) \\ = -42x^6 - 90x^5 - 48x^4$$

$$9. (-2m^5 + 9m^4 - m^3)(-4m^2 - 8m - 1) \\ = 8m^7 - 20m^6 - 66m^5 - m^4 + m^3$$

$$10. 9z^2(-6z^4 - 4z^3 - 8z^2) \\ = -54z^6 - 36z^5 - 72z^4$$