

Multiplication de Trois Binômes (F)

Simplifiez chaque expression.

$$1. (-5t + 2)(-t^2 - 3t)(-9t + 7)$$

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

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

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

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

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

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

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

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

$$10. (-7x^5 + 6x^4)(2x^4 + 3x^3)(-3x - 4)$$

Multiplication de Trois Binômes (F) Réponses

Simplifiez chaque expression.

$$1. (-5t + 2)(-t^2 - 3t)(-9t + 7)$$
$$= -45t^4 - 82t^3 + 145t^2 - 42t$$

$$2. (-7f - 7)(-8f^4 - 9f^3)(-7f^5 + 7f^4)$$
$$= -392f^{10} - 441f^9 + 392f^8 + 441f^7$$

$$3. (-5s^4 - 8s^3)(7s^3 - 6s^2)(8s^5 + 7s^4)$$
$$= -280s^{12} - 453s^{11} + 202s^{10} + 336s^9$$

$$4. (9y^2 - 3y)(6y^4 - y^3)(-6y - 7)$$
$$= -324y^7 - 216y^6 + 171y^5 - 21y^4$$

$$5. (-6v^2 - 9v)(5v^2 - 9v)(-4v^2 - 3v)$$
$$= 120v^6 + 54v^5 - 351v^4 - 243v^3$$

$$6. (-3r^5 - r^4)(4r^3 + 5r^2)(-9r^4 - 2r^3)$$
$$= 108r^{12} + 195r^{11} + 83r^{10} + 10r^9$$

$$7. (-2n^2 - 2n)(8n^5 + 6n^4)(-4n^4 - 6n^3)$$
$$= 64n^{11} + 208n^{10} + 216n^9 + 72n^8$$

$$8. (-4f + 3)(6f^3 - 4f^2)(7f - 3)$$
$$= -168f^5 + 310f^4 - 186f^3 + 36f^2$$

$$9. (m + 3)(4m^2 + 3m)(-2m^4 - 8m^3)$$
$$= -8m^7 - 62m^6 - 138m^5 - 72m^4$$

$$10. (-7x^5 + 6x^4)(2x^4 + 3x^3)(-3x - 4)$$
$$= 42x^{10} + 83x^9 - 18x^8 - 72x^7$$