

## Multiplication d'un Binôme par un Trinôme (G)

Simplifiez chaque expression.

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

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

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

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

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

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

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

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

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

10.  $(-7x + 5)(-2x^4 + 7x^3 + 9x^2)$

## Multiplication d'un Binôme par un Trinôme (G) Réponses

Simplifiez chaque expression.

$$1. (-t^3 - 7t^2)(t^5 + 2t^4 - 4t^3) \\ = -t^8 - 9t^7 - 10t^6 + 28t^5$$

$$2. (-6p^3 - 3p^2)(8p^2 + 6p + 7) \\ = -48p^5 - 60p^4 - 60p^3 - 21p^2$$

$$3. (-8q - 1)(-2q^3 + 3q^2 + 7q) \\ = 16q^4 - 22q^3 - 59q^2 - 7q$$

$$4. (5z^5 - 2z^4)(6z^2 - 7z + 9) \\ = 30z^7 - 47z^6 + 59z^5 - 18z^4$$

$$5. (-7n^2 + 9n)(-3n^3 - 9n^2 + 4n) \\ = 21n^5 + 36n^4 - 109n^3 + 36n^2$$

$$6. (-7m^5 + 3m^4)(9m^2 - 7m + 6) \\ = -63m^7 + 76m^6 - 63m^5 + 18m^4$$

$$7. (-4m^5 + 7m^4)(-5m^3 - 4m^2 - m) \\ = 20m^8 - 19m^7 - 24m^6 - 7m^5$$

$$8. (-6c^3 + 8c^2)(3c^2 + 6c + 5) \\ = -18c^5 - 12c^4 + 18c^3 + 40c^2$$

$$9. (-3m^4 + 5m^3)(-3m^5 - 6m^4 - 8m^3) \\ = 9m^9 + 3m^8 - 6m^7 - 40m^6$$

$$10. (-7x + 5)(-2x^4 + 7x^3 + 9x^2) \\ = 14x^5 - 59x^4 - 28x^3 + 45x^2$$