

## 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.

$$\begin{aligned} 1. & (6v^4 - 4v^3 + 6v^2)(-7v^2 + 3v - 4) \\ & = -42v^6 + 46v^5 - 78v^4 + 34v^3 - 24v^2 \end{aligned}$$

$$\begin{aligned} 2. & (5a^2 - 2a + 2)(7a^2 + 8a + 4) \\ & = 35a^4 + 26a^3 + 18a^2 + 8a + 8 \end{aligned}$$

$$\begin{aligned} 3. & (-7n^5 + 7n^4 + 7n^3)(5n^4 + 4n^3 - 6n^2) \\ & = -35n^9 + 7n^8 + 105n^7 - 14n^6 - 42n^5 \end{aligned}$$

$$\begin{aligned} 4. & (7x^4 + 2x^3 + 7x^2)(9x^2 - 3x + 7) \\ & = 63x^6 - 3x^5 + 106x^4 - 7x^3 + 49x^2 \end{aligned}$$

$$\begin{aligned} 5. & (2z^3 - 7z^2 - 4z)(4z^2 - 5z + 8) \\ & = 8z^5 - 38z^4 + 35z^3 - 36z^2 - 32z \end{aligned}$$

$$\begin{aligned} 6. & (3p^4 - 9p^3 - 6p^2)(2p^2 - 5p + 4) \\ & = 6p^6 - 33p^5 + 45p^4 - 6p^3 - 24p^2 \end{aligned}$$

$$\begin{aligned} 7. & (8c^3 + 3c^2 - 6c)(c^2 + 3c + 8) \\ & = 8c^5 + 27c^4 + 67c^3 + 6c^2 - 48c \end{aligned}$$

$$\begin{aligned} 8. & (-3d^3 - 7d^2 + 5d)(-3d^3 - 9d^2 + 8d) \\ & = 9d^6 + 48d^5 + 24d^4 - 101d^3 + 40d^2 \end{aligned}$$

$$\begin{aligned} 9. & (9a^4 + 6a^3 - a^2)(8a^2 + 7a + 8) \\ & = 72a^6 + 111a^5 + 106a^4 + 41a^3 - 8a^2 \end{aligned}$$

$$\begin{aligned} 10. & (-3r^2 + 9r - 1)(-9r^5 - 5r^4 + 5r^3) \\ & = 27r^7 - 66r^6 - 51r^5 + 50r^4 - 5r^3 \end{aligned}$$