

Multiplication d'un Binôme par un Trinôme (F)

Simplifiez chaque expression.

1. $(q^2 - q)(6q^2 - 8q - 4)$

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

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

4. $(-y - 1)(-9y^2 - 5y - 5)$

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

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

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

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

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

10. $(8h^4 + 8h^3)(8h^4 + 9h^3 + 3h^2)$

Multiplication d'un Binôme par un Trinôme (F) Réponses

Simplifiez chaque expression.

$$\begin{aligned} 1. & (q^2 - q)(6q^2 - 8q - 4) \\ & = 6q^4 - 14q^3 + 4q^2 + 4q \end{aligned}$$

$$\begin{aligned} 2. & (4v^4 - 4v^3)(7v^4 + 8v^3 - 4v^2) \\ & = 28v^8 + 4v^7 - 48v^6 + 16v^5 \end{aligned}$$

$$\begin{aligned} 3. & (5n + 6)(5n^3 + 7n^2 + 8n) \\ & = 25n^4 + 65n^3 + 82n^2 + 48n \end{aligned}$$

$$\begin{aligned} 4. & (-y - 1)(-9y^2 - 5y - 5) \\ & = 9y^3 + 14y^2 + 10y + 5 \end{aligned}$$

$$\begin{aligned} 5. & (4f - 1)(-6f^5 + 6f^4 - 3f^3) \\ & = -24f^6 + 30f^5 - 18f^4 + 3f^3 \end{aligned}$$

$$\begin{aligned} 6. & (2r^3 - 8r^2)(-9r^3 + 9r^2 + 6r) \\ & = -18r^6 + 90r^5 - 60r^4 - 48r^3 \end{aligned}$$

$$\begin{aligned} 7. & (5b - 8)(3b^3 - 4b^2 + 2b) \\ & = 15b^4 - 44b^3 + 42b^2 - 16b \end{aligned}$$

$$\begin{aligned} 8. & (-h^4 + 7h^3)(2h^2 - 4h - 8) \\ & = -2h^6 + 18h^5 - 20h^4 - 56h^3 \end{aligned}$$

$$\begin{aligned} 9. & (5m^3 - 6m^2)(-6m^2 + 7m - 2) \\ & = -30m^5 + 71m^4 - 52m^3 + 12m^2 \end{aligned}$$

$$\begin{aligned} 10. & (8h^4 + 8h^3)(8h^4 + 9h^3 + 3h^2) \\ & = 64h^8 + 136h^7 + 96h^6 + 24h^5 \end{aligned}$$