

Multiplication d'un Monôme par un Trinôme (D)

Simplifiez chaque expression.

1. $-5d^2(-4d^3 - 6d^2 - 7d)$

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

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

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

5. $2a^4(4a^4 + 4a^3 - 3a^2)$

6. $-8h^2(-8h^3 - 5h^2 - 2h)$

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

8. $6v^3(9v^3 + 5v^2 + 9v)$

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

10. $4m^2(-7m^2 - 9m + 7)$

Multiplication d'un Monôme par un Trinôme (D) Réponses

Simplifiez chaque expression.

$$\begin{aligned} 1. & -5d^2(-4d^3 - 6d^2 - 7d) \\ & = 20d^5 + 30d^4 + 35d^3 \end{aligned}$$

$$\begin{aligned} 2. & -2m^2(-4m^4 - 8m^3 + 5m^2) \\ & = 8m^6 + 16m^5 - 10m^4 \end{aligned}$$

$$\begin{aligned} 3. & k^4(-9k^5 + k^4 + 5k^3) \\ & = -9k^9 + k^8 + 5k^7 \end{aligned}$$

$$\begin{aligned} 4. & -6h(-h^5 - 8h^4 + 6h^3) \\ & = 6h^6 + 48h^5 - 36h^4 \end{aligned}$$

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

$$\begin{aligned} 6. & -8h^2(-8h^3 - 5h^2 - 2h) \\ & = 64h^5 + 40h^4 + 16h^3 \end{aligned}$$

$$\begin{aligned} 7. & -4k^2(-k^3 - 6k^2 - 8k) \\ & = 4k^5 + 24k^4 + 32k^3 \end{aligned}$$

$$\begin{aligned} 8. & 6v^3(9v^3 + 5v^2 + 9v) \\ & = 54v^6 + 30v^5 + 54v^4 \end{aligned}$$

$$\begin{aligned} 9. & -3v^3(3v^4 + 7v^3 + 3v^2) \\ & = -9v^7 - 21v^6 - 9v^5 \end{aligned}$$

$$\begin{aligned} 10. & 4m^2(-7m^2 - 9m + 7) \\ & = -28m^4 - 36m^3 + 28m^2 \end{aligned}$$