

Multiplication d'un Monôme par un Trinôme (I)

Simplifiez chaque expression.

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

2. $7p^2(5p^4 + 5p^3 + p^2)$

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

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

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

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

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

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

9. $m^3(m^2 - 4m - 1)$

10. $-6h(9h^5 - 3h^4 - 6h^3)$

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

Simplifiez chaque expression.

$$\begin{aligned} 1. & 2v(-v^5 - 7v^4 + 2v^3) \\ &= -2v^6 - 14v^5 + 4v^4 \end{aligned}$$

$$\begin{aligned} 2. & 7p^2(5p^4 + 5p^3 + p^2) \\ &= 35p^6 + 35p^5 + 7p^4 \end{aligned}$$

$$\begin{aligned} 3. & 9s^4(-6s^4 + 9s^3 - 6s^2) \\ &= -54s^8 + 81s^7 - 54s^6 \end{aligned}$$

$$\begin{aligned} 4. & 2a^5(2a^5 + 4a^4 - 5a^3) \\ &= 4a^{10} + 8a^9 - 10a^8 \end{aligned}$$

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

$$\begin{aligned} 6. & -7v^4(8v^4 - 3v^3 + 2v^2) \\ &= -56v^8 + 21v^7 - 14v^6 \end{aligned}$$

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

$$\begin{aligned} 8. & -7m^4(-6m^4 - 4m^3 - 8m^2) \\ &= 42m^8 + 28m^7 + 56m^6 \end{aligned}$$

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

$$\begin{aligned} 10. & -6h(9h^5 - 3h^4 - 6h^3) \\ &= -54h^6 + 18h^5 + 36h^4 \end{aligned}$$