

Multiplication d'un Monôme par un Trinôme (J)

Simplifiez chaque expression.

1. $-9m(5m^3 - 5m^2 - 7m)$

2. $-8z(-9z^3 + 3z^2 + 9z)$

3. $-8n^4(2n^4 - 3n^3 - 8n^2)$

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

5. $9d^4(6d^3 - 8d^2 + 7d)$

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

7. $8m(-5m^2 - 3m - 3)$

8. $9f^5(-8f^2 + 8f + 4)$

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

10. $-8s^3(8s^2 + 3s + 1)$

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

Simplifiez chaque expression.

$$\begin{aligned} 1. & -9m(5m^3 - 5m^2 - 7m) \\ & = -45m^4 + 45m^3 + 63m^2 \end{aligned}$$

$$\begin{aligned} 2. & -8z(-9z^3 + 3z^2 + 9z) \\ & = 72z^4 - 24z^3 - 72z^2 \end{aligned}$$

$$\begin{aligned} 3. & -8n^4(2n^4 - 3n^3 - 8n^2) \\ & = -16n^8 + 24n^7 + 64n^6 \end{aligned}$$

$$\begin{aligned} 4. & 7m^2(m^3 + 5m^2 + 8m) \\ & = 7m^5 + 35m^4 + 56m^3 \end{aligned}$$

$$\begin{aligned} 5. & 9d^4(6d^3 - 8d^2 + 7d) \\ & = 54d^7 - 72d^6 + 63d^5 \end{aligned}$$

$$\begin{aligned} 6. & -5d^5(-3d^2 - 9d + 9) \\ & = 15d^7 + 45d^6 - 45d^5 \end{aligned}$$

$$\begin{aligned} 7. & 8m(-5m^2 - 3m - 3) \\ & = -40m^3 - 24m^2 - 24m \end{aligned}$$

$$\begin{aligned} 8. & 9f^5(-8f^2 + 8f + 4) \\ & = -72f^7 + 72f^6 + 36f^5 \end{aligned}$$

$$\begin{aligned} 9. & -3m^3(-2m^4 + 4m^3 - 7m^2) \\ & = 6m^7 - 12m^6 + 21m^5 \end{aligned}$$

$$\begin{aligned} 10. & -8s^3(8s^2 + 3s + 1) \\ & = -64s^5 - 24s^4 - 8s^3 \end{aligned}$$