

Multiplication d'un Monôme par un Binôme (C)

Simplifiez chaque expression.

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

2. $-7s^2(-4s - 4)$

3. $4y(-6y^4 + 4y^3)$

4. $-2x^5(9x^4 - 4x^3)$

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

6. $6s^3(-9s^5 + 2s^4)$

7. $-5f^4(-9f^5 - 7f^4)$

8. $-2r(2r^2 + 5r)$

9. $5c^4(8c^4 + c^3)$

10. $4r^2(-9r^4 + 5r^3)$

Multiplication d'un Monôme par un Binôme (C) Réponses

Simplifiez chaque expression.

$$\begin{aligned} 1. & -3v^5(3v^2 + 4v) \\ & = -9v^7 - 12v^6 \end{aligned}$$

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

$$\begin{aligned} 3. & 4y(-6y^4 + 4y^3) \\ & = -24y^5 + 16y^4 \end{aligned}$$

$$\begin{aligned} 4. & -2x^5(9x^4 - 4x^3) \\ & = -18x^9 + 8x^8 \end{aligned}$$

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

$$\begin{aligned} 6. & 6s^3(-9s^5 + 2s^4) \\ & = -54s^8 + 12s^7 \end{aligned}$$

$$\begin{aligned} 7. & -5f^4(-9f^5 - 7f^4) \\ & = 45f^9 + 35f^8 \end{aligned}$$

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

$$\begin{aligned} 9. & 5c^4(8c^4 + c^3) \\ & = 40c^8 + 5c^7 \end{aligned}$$

$$\begin{aligned} 10. & 4r^2(-9r^4 + 5r^3) \\ & = -36r^6 + 20r^5 \end{aligned}$$