

Multiplication d'un Monôme par un Binôme (G)

Simplifiez chaque expression.

1. $2r(5r^4 + 8r^3)$

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

3. $-9b(7b^4 + b^3)$

4. $6a(-a^3 - 2a^2)$

5. $3s(3s + 2)$

6. $-d^5(-5d - 7)$

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

8. $8k^3(3k^4 - 4k^3)$

9. $-5c(-6c + 1)$

10. $-x^4(-4x^2 + 4x)$

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

Simplifiez chaque expression.

$$\begin{aligned} 1. & 2r(5r^4 + 8r^3) \\ & = 10r^5 + 16r^4 \end{aligned}$$

$$\begin{aligned} 2. & -9y^3(-y^4 + 7y^3) \\ & = 9y^7 - 63y^6 \end{aligned}$$

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

$$\begin{aligned} 4. & 6a(-a^3 - 2a^2) \\ & = -6a^4 - 12a^3 \end{aligned}$$

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

$$\begin{aligned} 6. & -d^5(-5d - 7) \\ & = 5d^6 + 7d^5 \end{aligned}$$

$$\begin{aligned} 7. & -3r^2(5r^5 + 7r^4) \\ & = -15r^7 - 21r^6 \end{aligned}$$

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

$$\begin{aligned} 9. & -5c(-6c + 1) \\ & = 30c^2 - 5c \end{aligned}$$

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