

Multiplication d'un Monôme par un Trinôme (F)

Simplifiez chaque expression.

1. $-6h^5(9h^3 + 2h^2 - 6h)$

2. $g^2(3g^2 - 8g - 6)$

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

4. $6c(8c^2 + 9c - 9)$

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

6. $-8f^2(-3f^2 - 7f - 8)$

7. $2r^4(-r^5 - 6r^4 + 6r^3)$

8. $8g^4(-8g^4 + 3g^3 + 4g^2)$

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

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

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

Simplifiez chaque expression.

$$\begin{aligned} 1. & -6h^5(9h^3 + 2h^2 - 6h) \\ & = -54h^8 - 12h^7 + 36h^6 \end{aligned}$$

$$\begin{aligned} 2. & g^2(3g^2 - 8g - 6) \\ & = 3g^4 - 8g^3 - 6g^2 \end{aligned}$$

$$\begin{aligned} 3. & -6b(-8b^5 + 4b^4 - 3b^3) \\ & = 48b^6 - 24b^5 + 18b^4 \end{aligned}$$

$$\begin{aligned} 4. & 6c(8c^2 + 9c - 9) \\ & = 48c^3 + 54c^2 - 54c \end{aligned}$$

$$\begin{aligned} 5. & -7y^3(7y^5 + 2y^4 - 3y^3) \\ & = -49y^8 - 14y^7 + 21y^6 \end{aligned}$$

$$\begin{aligned} 6. & -8f^2(-3f^2 - 7f - 8) \\ & = 24f^4 + 56f^3 + 64f^2 \end{aligned}$$

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

$$\begin{aligned} 8. & 8g^4(-8g^4 + 3g^3 + 4g^2) \\ & = -64g^8 + 24g^7 + 32g^6 \end{aligned}$$

$$\begin{aligned} 9. & 3g(-3g^5 + 9g^4 - 9g^3) \\ & = -9g^6 + 27g^5 - 27g^4 \end{aligned}$$

$$\begin{aligned} 10. & -5n^3(5n^3 - 9n^2 + 3n) \\ & = -25n^6 + 45n^5 - 15n^4 \end{aligned}$$