

Multiplying Monomials and Polynomials (F)

Simplify each expression.

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

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

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

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

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

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

7. $(-8y^2 - 9y - 3)(-8y^2 - 5y)$

8. $-4c^4(6c + 1)$

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

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