

Multiplying Monomials and Polynomials (A)

Simplify each expression.

1. $(8v^2 + 2v)(-2v + 7)$

2. $(5g^4 + 5g^3)(5g^5 + 4g^4)$

3. $(-8k^2 + 3k - 2)(8k^3 - 9k^2 - 4k)$

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

5. $(3y^3 + 6y^2)(-8y^2 + 9y)$

6. $(-2w^3 + 6w^2 - 2w)(-3w^3 + 5w^2)$

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

8. $(3m^4 + 5m^3)(-5m^4 + 5m^3)$

9. $4q^4(4q + 1)$

10. $(6w^4 + 6w^3)(9w^3 - w^2)$