

Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

---

## Multiplying Monomials and Polynomials

Simplify each expression.

1)  $4q(9q^2 + 5q + 7)$

6)  $4c^3(7c^2 - 5cg + 3g^2)$

2)  $8x^3(7x^2 - 5x + 2)$

7)  $8(6k - 4)$

3)  $3g(4g + 2c)$

8)  $8g^2(7g^2 - 9gz + 6z^2)$

4)  $6d^2(9d^2 - 3d + 7)$

9)  $7g(2g^2 - 5gb + 6b^2)$

5)  $5(3x - 6p)$

10)  $4z(6z - 2)$



Name : \_\_\_\_\_

Score : \_\_\_\_\_

Teacher : \_\_\_\_\_

Date : \_\_\_\_\_

## Multiplying Monomials and Polynomials

Simplify each expression.

1)  $4q(9q^2 + 5q + 7)$   
 $36q^3 + 20q^2 + 28q$

6)  $4c^3(7c^2 - 5cg + 3g^2)$   
 $28c^5 - 20c^4g + 12c^3g^2$

2)  $8x^3(7x^2 - 5x + 2)$   
 $56x^5 - 40x^4 + 16x^3$

7)  $8(6k - 4)$   
 $48k - 32$

3)  $3g(4g + 2c)$   
 $12g^2 + 6gc$

8)  $8g^2(7g^2 - 9gz + 6z^2)$   
 $56g^4 - 72g^3z + 48z^2g^2$

4)  $6d^2(9d^2 - 3d + 7)$   
 $54d^4 - 18d^3 + 42d^2$

9)  $7g(2g^2 - 5gb + 6b^2)$   
 $14g^3 - 35g^2b + 42b^2g$

5)  $5(3x - 6p)$   
 $15x - 30p$

10)  $4z(6z - 2)$   
 $24z^2 - 8z$

