

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

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

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

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

---

## Multiplying Monomials and Polynomials

Simplify each expression.

1)  $5(3d - 9r)$

6)  $7(4c + 3)$

2)  $8c(3c^2 + 9c - 2)$

7)  $5(8r^2 + 9rz - 6z^2)$

3)  $5s^3(8s^2 + 2sb + 7b^2)$

8)  $7s^2(5s^2 + 6s + 9)$

4)  $9r^3(4r^2 - 8r + 7)$

9)  $6p(4p - 7q)$

5)  $8r^2(4r^2 + 7rb - 6b^2)$

10)  $3(8b^2 - 9b - 6)$



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

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

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

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

## Multiplying Monomials and Polynomials

Simplify each expression.

1)  $5(3d - 9r)$

$$15d - 45r$$

6)  $7(4c + 3)$

$$28c + 21$$

2)  $8c(3c^2 + 9c - 2)$

$$24c^3 + 72c^2 - 16c$$

7)  $5(8r^2 + 9rz - 6z^2)$

$$40r^2 + 45rz - 30z^2$$

3)  $5s^3(8s^2 + 2sb + 7b^2)$

$$40s^5 + 10s^4b + 35s^3b^2$$

8)  $7s^2(5s^2 + 6s + 9)$

$$35s^4 + 42s^3 + 63s^2$$

4)  $9r^3(4r^2 - 8r + 7)$

$$36r^5 - 72r^4 + 63r^3$$

9)  $6p(4p - 7q)$

$$24p^2 - 42pq$$

5)  $8r^2(4r^2 + 7rb - 6b^2)$

$$32r^4 + 56r^3b - 48b^2r^2$$

10)  $3(8b^2 - 9b - 6)$

$$24b^2 - 27b - 18$$

