

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

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

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

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

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## Multiplying Monomials and Polynomials

Simplify each expression.

1)  $7s(5s + 3)$

6)  $4(5c + 3)$

2)  $4(2y^2 - 6yx + 7x^2)$

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

3)  $3(7k - 9r)$

8)  $6c^3(8c^2 + 5cy - 3y^2)$

4)  $4(9q^2 - 3q + 7)$

9)  $5x(3x - 9n)$

5)  $3z(6z^2 + 9zx - 4x^2)$

10)  $2c^2(5c^2 + 3c - 6)$



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## Multiplying Monomials and Polynomials

Simplify each expression.

1)  $7s(5s + 3)$

$$35s^2 + 21s$$

6)  $4(5c + 3)$

$$20c + 12$$

2)  $4(2y^2 - 6yx + 7x^2)$

$$8y^2 - 24yx + 28x^2$$

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

$$15y^3 - 24y^2 + 6y$$

3)  $3(7k - 9r)$

$$21k - 27r$$

8)  $6c^3(8c^2 + 5cy - 3y^2)$

$$48c^5 + 30c^4y - 18c^3y^2$$

4)  $4(9q^2 - 3q + 7)$

$$36q^2 - 12q + 28$$

9)  $5x(3x - 9n)$

$$15x^2 - 45xn$$

5)  $3z(6z^2 + 9zx - 4x^2)$

$$18z^3 + 27z^2x - 12x^2z$$

10)  $2c^2(5c^2 + 3c - 6)$

$$10c^4 + 6c^3 - 12c^2$$

