Name : _____   Score : _____

Teacher : _____   Date : _____

Multiplying Monomials and Polynomials

Simplify each expression.

1) $3(7b + 4d)$

2) $5x(8x - 6)$

3) $8z^3(9z^2 - 2z - 4)$

4) $8y^3(9y^2 + 7yc - 3c^2)$

5) $7(5n^2 + 3nh - 6h^2)$

6) $4r(8r^2 - 9rx - 7x^2)$

7) $9(6s - 3)$

8) $3(7c^2 + 9c + 5)$

9) $8c^2(2c^2 - 9c - 4)$

10) $5h(3h + 2x)$

Multiplying Monomials and Polynomials

Simplify each expression.

1) $3(7b + 4d)$

   $21b + 12d$

2) $5x(8x - 6)$

   $40x^2 - 30x$

3) $8z^3(9z^2 - 2z - 4)$

   $72z^5 - 16z^4 - 32z^3$

4) $8y^3(9y^2 + 7yc - 3c^2)$

   $72y^5 + 56y^4c - 24y^3c^2$

5) $7(5n^2 + 3nh - 6h^2)$

   $35n^2 + 21nh - 42h^2$

6) $4r(8r^2 - 9rx - 7x^2)$

   $32r^3 - 36r^2x - 28x^2r$

7) $9(6s - 3)$

   $54s - 27$

8) $3(7c^2 + 9c + 5)$

   $21c^2 + 27c + 15$

9) $8c^2(2c^2 - 9c - 4)$

   $16c^4 - 72c^3 - 32c^2$

10) $5h(3h + 2x)$

   $15h^2 + 10hx$