Name:

Date:

Multiplying a Polynomial and a Monomial

Find each product.

1) $2x(6x - 6y)$

2) $2x^3(2x^2 + 5x - 4)$

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

4) $2x(3x - 6y + 3) =$

5) $5x(6x^2 - 5xy + 2y^2)$

6) $2x^2(3x^2 - 5x + 12)$

7) $3x(3x - 2)$

8) $5(2x^2 - 9y^2) =$

9) $3x(9x + 2y) =$

10) $x(-x + 3) =$

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1) $2x(6x - 6y)$

$12x^2 - 12xy$

2) $2x^3(2x^2 + 5x - 4)$

$4x^5 + 10x^4 - 8x^3$

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

$6x^3 - 9x^2 + 24x$

4) $2x(3x - 6y + 3) =$

$6x^2 - 12xy + 6x$

5) $5x(6x^2 - 5xy + 2y^2)$

$30x^3 - 25x^2y + 10xy^2$

6) $2x^2(3x^2 - 5x + 12)$

$6x^4 - 10x^3 + 24x^2$

7) $3x(3x - 2)$

$9x^2 - 6x$

8) $5(2x^2 - 9y^2) =$

$10x^2 - 45y^2$

9) $3x(9x + 2y) =$

$27x^2 + 6xy$

10) $x(-x + 3) =$

$-x^2 + 3x$