

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) $x(-x + 3) =$



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) $x(-x + 3) =$

$$-x^2 + 3x$$