

Name: _____

Date: _____

Multiplying Polynomials (Binomials and Trinomials)

Multiply the following polynomials.

1. $(x + y)(y - 4) =$

2. $(2x - 3)(x^2 + x) =$

3. $(y^3 - 2xy)(x + y) =$

4. $(y - x)(x^2 - y + xy) =$

5. $(2x)(9 + 4x)(x^2 + 3x) =$

6. $(x + y^2)(y - x^2 + 1) =$

7. $(x^3 - 3)(1 + x)(1 - x) =$

8. $(4x + 5)(3x + y + 2) =$

9. $(y - 3)(7x + 4 - y) =$

10. $(3x + 4y)(-x + 2y + 1) =$