

Do Now

1) $2x^2y(2x^2 - 3xy + y^2)$

Do Now

2) $2x[3x - 2(3 + x)] - x^2$

4.6

Multiplying Polynomials

Example 1

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

Example 2

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

Example 3

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

Example 4

$$(b + 4)(b + 5)$$

Example 5

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

Example 6

$$(y + 5x)(x^3 - y^3 + 2x^2y + 3xy^2)$$