Name:

<u>Section 5.1b – Proficiency Check – Multiplying Binomials and Trinomials</u>

Multiply the following, leave answers in descending order.

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

$$(2x + 3y)(x^2y + 3x - 4y - 2xy^2)$$

Multiply using FOIL, leave answers in descending order.

$(x + 5)(x - 8)$	$(3x - 2y)(6x + 5y)$

Multiply using FOIL, leave answers in descending order. What is special about the following products.

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

What did I do wrong in this example? Fix my mistake.

$$(x + 4)^2 = x^2 + 16$$