

**Math 0030    January 12, 2007    Homework 3**

Textbook: 6.3 # 1-101 alt. odds (i.e. 1, 5, 9, 13, 17, ...)

Multiply the following, then simplify.

1)  $(3x + 7)(2x - 5)$

2) Multiply in vertical format as in the example at the bottom of page 349.

$(x + 4)(3x^2 - 5x + 9)$

3)  $(2x + 5)^2$  (See the example at the bottom of page 351.)

4)  $(x - 8)^2$

5)  $(2x + 6)(5x + 3)$

6)  $(7x + 1)(7x - 1)$

7)  $(3x - 4)(3x + 4)$

8)  $(3x^2 - 5)(3x^2 + 5)$