

**Kerry Ojakian's MTH 28.5 Class**  
**Class Assignment #16**

Multiply.

1.  $2x(x + 3) =$

2.  $-2x(x - 2) =$

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

4.  $2x(x^3 - 7x^2 + 4x + 6) =$

5.  $-4x^2(-2x^2 - 5x + 6) =$

6.  $2xy(x - 2y + xy) =$

7.  $(3 - 3x^2 + 6x) \cdot x^2 =$

8.  $-4xy^2(-2x^2y - 5) =$

Multiply.

9.  $(x + 3)(x + 2) =$

10.  $(x + 5)(x - 3) =$

11.  $(2x - 3)(5x - 6) =$

12.  $(x^2 - 5)(-x - 3) =$

13.  $(x + 3)(x^2 + 3x + 1) =$

14.  $(x - 3)(x^2 - 6x - 4) =$

15.  $(x^2 + x + 3)(x^2 - 7) =$

16.  $(x^2 - 6x - 4)(x - 5) =$

17.  $(x^2 - 2x - 3)(x^2 - x - 4) =$

18.  $(-3x^2 - 2x + 1)(-x^3 - 5x + 6) =$

19.  $x(x + 3)(x + 2) =$

20.  $(x + 1)(x + 2)(x + 3) =$

Multiply (special ones ...).

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

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

23.  $(x - 9)^2 =$

24.  $(x + 9)^2 =$

25.  $(x + 1)^2 =$

26.  $(x - 1)^2 =$

27.  $(x - 7)^2 =$

28.  $(x + 7)^2 =$

29.  $(x - 4)(x + 4) =$

30.  $(x - 10)(x + 10) =$

31.  $(x + 1)(x - 1) =$

32.  $(x + 3)(x - 3) =$

33.  $(a + b)^2 =$

34.  $(a - b)^2 =$

35.  $(a + b)(a - b) =$