Name: _____

Date:: _____

Algebra & Trigonometry Quiz
Chapter R.3

Addition and subtraction of polynomials

12. $(2x^4 - 3x^2 + 7x) - (5x^3 + 2x^2 - 3x + 5)$

8. $(2x^2 + 12xy - 11) + (6x^2 - 2x + 4) +$
$(-x^2 - y - 2)$

Multiplication of polynomials

14. $(n + 1)(n^2 - 6n - 4)$

16. $(y - 4)(y + 1)$

24. $(y + 7)^2$

30. $(5x + 2y)^2$

Special cases that occur so often in class, you'll hardly think of them as "Special"

34. $(b + 4)(b - 4)$

36. $(4y - 1)(4y + 1)$

Outright cruelty for extra credit:
polynomial multiplication that borders on using a computer algorithm

50. $[(2x - 1)^2 - 1]^2$