Binomial Expansion

Monomial = 1 term Binomial = 2 terms Trinomial = 3 terms Polynomial ... all the rest (and the above 3 too)



So Binomial x binomial = 2 terms x 2 terms or 4 terms

Memory tools for this: FOIL (First, outside, inside, last) Or Hills and Valleys (which is way better as you will soon see)



ASSIGNMENT = WORKSHEET

Expanding #1					
What did they say about the man who died from drinking Shellac?					
1)	1 2 3 4 5 6 7 (x + 4)(x + 2)	8 9 2)	10 11 12 13 14 19 (x + 7)(x + 1)	5 16 3)	17 18 (x - 6)(x - 3)
4)	(x + 8)(x – 2)	5)	(x – 7)(x + 4)	6)	(x – 2)((x – 9)
7)	(2u + 4)(u + 1)	8)	(3u + 7)(u – 3)	9)	(4u – 2)(5u – 1)
10)	(2u + 1)(9u – 5)	11)	(7u – 4)(3u + 6)	12)	(5u – 8)(4u – 4)
13)	(2x + y)(x + 3y)	14)	(3x – y)(8x – y)	15)	(2x + y)(4x – 3y)
16)	(5x – 2y)(3x + 4y)	17)	(7x + 3y)(x + 2y)	18)	(6x + 6y)(2x – 4y)
Answers					



Now complete Page 186 #15(a, b, c, d)