

Wednesday, February 20, 2013

Agenda:

- No TISK or MM
- Review HW
- Lesson 13-6 Part 1: Multiplying Binomials
- HW: Start 13-6 problems

Homework Check

9. $5x^2 - 6$

10. $-w^2 - 12w + 14$

11. $-4x^2 + 14x - 12$

12. $4a^2b - 11ab + 4ab^2$

13. $-p^3q^2 - 5p^2q^2 - 2pq^2$

14. $-5m^6 - 7m^3 - 7n$

15. $-2a^2 - 13a - ab + 18b^2 - 5b$

16. $-3x^4y^3$

17. $-6x^6 + 12x^4 + 6x^2$

18. $2h^3k^3 - h^3k^2 + 7h^2k^2$

19. $24m^4n^2 - 40m^3n^3 + 16m^3n$

20. $-112t^2 + 140t - 105$

21. $-3x^{11} + 2x^{10} - 5x^2 - 5$

Check the order of your terms on these problems for full credit.

§13-6 Multiplying Binomials

- You're still distributing!

$$(x + 2)(x - 3) = x(x - 3) + 2(x - 3)$$

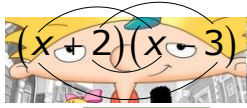
$$x^2 - 3x + 2x - 6$$

$$x^2 - x - 6$$

A "quick" way to remember it.

■ FOIL

- First
- Outer
- Inner
- Last



$$x^2 - 3x + 2x - 6$$

$$x^2 - x - 6$$

Once more, together

- Multiply: $(3-n)(4-n)$

$$12 - 3n - 4n + n^2$$

$$12 - 7n + n^2$$

$$n^2 - 7n + 12$$

Your Turn

- 1) $(x+8)(x-7)$

$$x^2 - 7x + 8x - 56$$

$$x^2 + x - 56$$

Your Turn

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

$$10x^2 + 2x + 15x + 3$$

$$10x^2 + 17x + 3$$

Your Turn

3) $(5x^2 - 3)(6x - 5)$

$$30x^3 - 25x^2 - 18x + 15$$
