Last day's Work: READ pp.91-95

Sign and **RETURN** the cover sheet with email address PRINTED.

p. 96 5. Expand and simplify.

a)
$$4x(x+5)(x-5)$$

b)
$$-2a(a+4)^2$$

c)
$$(x+2)(x-5)(x-2)$$

d)
$$(2x+1)(3x-5)(4-x)$$

e)
$$(9a - 5)^3$$

p. 96 f)
$$(a-b+c-d)(a+b-c-d)$$

11. Expand and simplify.

a)
$$(x^2 + 2x - 1)^2$$

c)
$$(x^3 + x^2 + x + 1)(x^3 - x^2 - x - 1)$$

b)
$$(2-a)^3$$

d)
$$2(x+1)^2 - 3(2x-1)(3x-5)$$

c)
$$(x^3 + x^2 + x + 1)(x^3 - x^2 - x - 1)$$

$$= x^{6} - x^{5} - x^{4} - x^{3} + x^{5} - x^{4} + x^{3} - x^{2} + x^{4} - x^{3} - x^{2} + x^{4} - x^{3} - x^{4} + x^{5} - x^{4} - x^{5} - x^$$

$$= x^{6} - x^{4} - 2x^{3} - 3x^{3} - 2x^{-1}$$

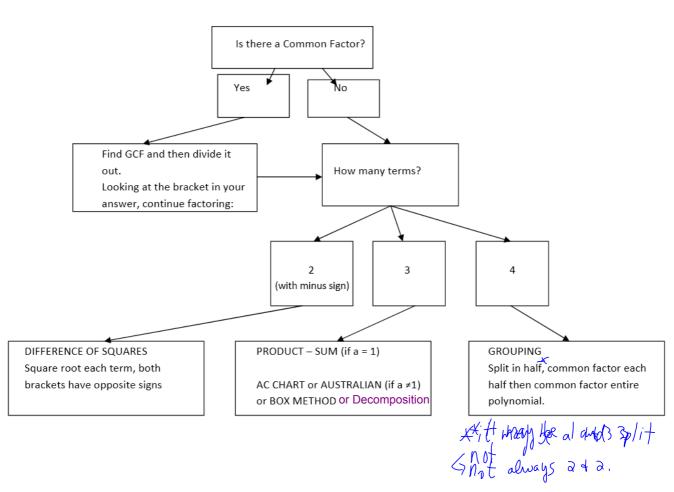
Today's Learning Goal(s):

By the end of the class, I will be able to:

a) factor polynomials with up to 4 terms.



Factoring Mind-Map



2.3 Factoring Polynomials Date: Sopt 5/19



<u>Review</u>: Factor the following COMPLETELY (over the integers).

READ p.99 Ex. 3 as a reference!

Ex.1 Factor completely.

a)
$$4-m^2+10m-25$$

$$= 4-1(m^2-10m+25)$$

$$= 5(a+2b)-(a-2b)(a+2b)$$

$$= 4-(m-5)$$

$$= (a+2b)(5-a+2b)$$

$$= (a+2b)(5-a$$

Today's Homework Practice includes:

Sign and RETURN the cover sheet with email address PRINTED.

READ pp.101-102

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pp. 102-104 #1 – 10 [14, 15]
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p. 82 #4 (if incomplete from Day 1)