Welcome to Mrs. Hagen's math class.

Please walk to the front corner of the room and pick up the following:

Scissors, Starter #1, Two yellow papers

Aug 23-6:31 AM

Aug 23
- Name Cards/Seating Chart
- Website/Disclosure
- Calculator Check
- Pre-Test
- Fold September Calendar Math
- 1.1 Notes Add, Subtract Polynomials

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Website/Disclosure:

www.chhshagenmath.weebly.com
- Click your class
- Read the disclosure
- Click on disclosure signature
- Fill out information and submit

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If you have a graphing calculator put it out on your desk so you can get extra credit :)

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Pre-Test #1

This is only participation, if you take it you get full points.

DO NOT GUESS, select I don't know

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Calendar Math:

Mini-units at the first 5 min of class each day.

Quiz at the end of the month

September: Parent Functions on yellow

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1.1 Add, Subtract Polynomial Notes

What is a polynomial?
many terms, constant, variable, product of both
no negative powers, no fraction powers

How do you name the degree of the polynomial? The highest power

$2x^5$ ⑤ power exponent

What is standard form for a polynomial?
in order highest power to lowest power

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What is the constant? stays the same
a number - no variable

What is the leading coefficient?
$-2x^5$ leading term
The number in front of the term with the highest power

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Ex1) 65

Polynomial: yes

Standard Form: 65

Degree: $65x^0$ zero

Leading Coefficient:

Constant: None or 65
65

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Ex 2) $3x^2-4x+13-2x^5$

Polynomial: yes

Standard Form: $-2x^5+3x^2-4x+13$

Degree: 5

Leading Coefficient: -2

Constant: 13

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Ex 3) $45xy^{-3}z^5$

Polynomial: No - negative power

Standard Form:

Degree:

Leading Coefficient:

Constant:

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Ex 4) $\sqrt[2]{x^1}$ $x^{\frac{1}{2}}$

Polynomial: NO - fraction power

Standard Form:

Degree:

Leading Coefficient:

Constant:

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How to add and subtract polynomials:

Combine like terms

- Same powers
- Same variable/base

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Simplify each expression:

Ex 5) $(4x^2+7+13x^5)+(-4+9x^2)$

$+4x^2+9x^2$

$13x^5+13x^2-11$

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Ex 6) HW #8

$(4x^4+7x-8x^2)+(8x^2+8x-2x^4)$

$-8x^2+8x^2=0$

$2x^4-x$

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Ex 7) #6

$(-13x^4+5)-(-10+8x^4+3x^2)$

distribute -1

$-13x^4+5+10-8x^4-3x^2$

$-13x^4-8x^4$

$-21x^4-3x^2+15$

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Solve for the ?

Ex 8) #11 $4x^2+2x+1+(?)=7x^2+5x+4$

$4x^2+?=7x^2$

$2x+?=5x$

$1+3=4$

$3x^2+3x+3$

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Homework:

- Disclosure
- Calculator
- 1.1 #1-14

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