MasteryConnect/bubblesheet.com

Student ID:

Test ID: 736404

Aug 26-8:44 AM

Starter:

1. I turn all of my work into _____

2. Did I get onto Mrs. Ward's Weebly site? _____

3. Did my parents sign the online disclosure? _____

Aug 22-1:01 PM

Calendar math September

Transformations

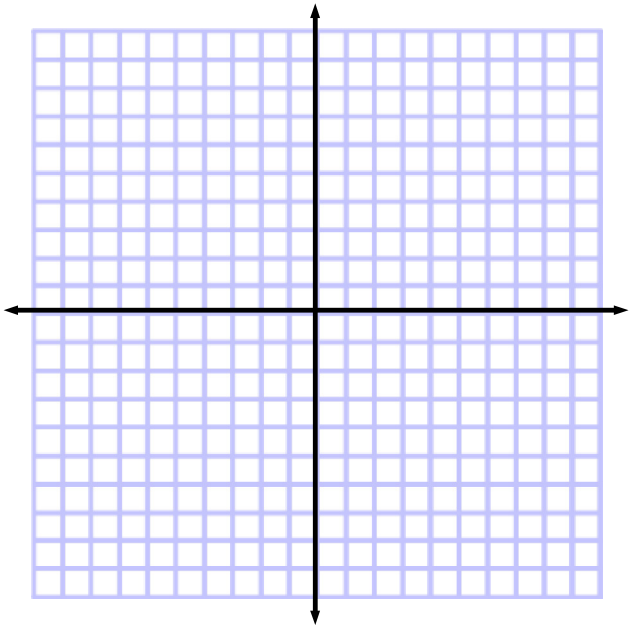
Parent Functions: the basic function that is used to create more complex functions

Linear $f(x) = x$ $y = x$

Quadratic $f(x) = x^2$ $y = x^2$

Absolute Value $f(x) = |x|$

or $y = |x|$



Aug 25-2:11 PM

# 1.1 Polynomial Operations

Aug 28-2:13 PM

## Polynomials

Standard Form: $ax^n + bx + c$

Coefficient: The number IN FRONT of the variable

Always put polynomial in order from highest exponent to constant

leading coefficient: ALWAYS "a"

constant: ALWAYS the loner "c"

degree: the highest exponent

$4x^3 + 7x - 5x^6 + 2$

SF: $-5x^6 + 4x^3 + 7x + 2$

Degree: 6

Constant: 2

LC: -5

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Put it in order then tell me

Polynomial: Yes/No

SF: (standard form)

Degree:

LC: (leading coefficie:nt)

Constant

1. $-3 - 2x^{6} - 10x^{2}$

Polynomial: yes
SF: $-2x^{6} - 10x^{2} - 3$
Degree: 6
LC: $-2$
Constant: $-3$

5. $-4r - 3r^{2} + 9r^{1/4} - 6$

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Add and Subtract Polynomials are liking fractions. What is the rule for + - fractions?

6. $(-13x^4 + 5) - (-10 + 8x^4 + 3x^2)$

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

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

9. $(2x^4 + 5) - (2x - 4x^2 + 1) - (5x + 3)$

$2x^4 + 5 - 2x + 4x^2 - 1 - 5x - 3$

$2x^4 + 4x^2 - 7x + 1$

11. Find the sum of $(4x^2 + 2x + 1) + (?) = (7x^2 + 5x + 4)$

$7x^2 + 5x + 4$
$-4x^2 - 2x - 1$
$3x^2 + 3x + 3$

15. $5r^2(5r^3 - 8) =$ $25r^5 - 40r^2$

$(6r - 5)^2$
$(6r - 5)(6r - 5)$

21. $f(n) = n^3 + 4$

$g(n) = 2n + 3$

Find $f(n) \cdot g(n)$

$(n^3+4)(2n+3)$

$2n^4 + 3n^3 + 8n + 12$

Review: Find the GCF

25. 24;36

$24 = 1, 2, 3, 4, 6, 8, 12, 24$

$36 = 1, 2, 3, 4, 6, 9, 12, 18, 36$

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