

Agenda:

Objectives:

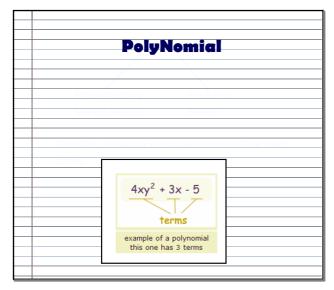
Students can define monomial, binomial and trinomial.

Students will be able to multiply monomials and find the degree of a term.

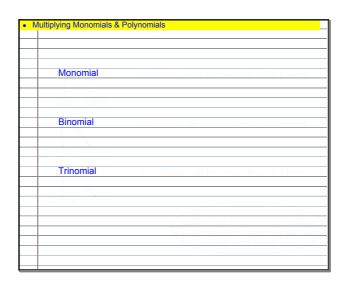
Reminders:

Reminders:

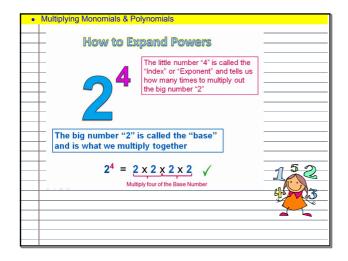
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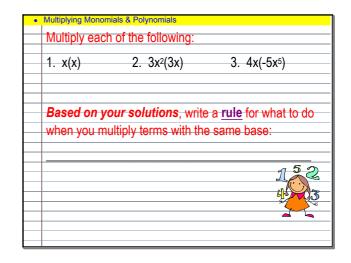


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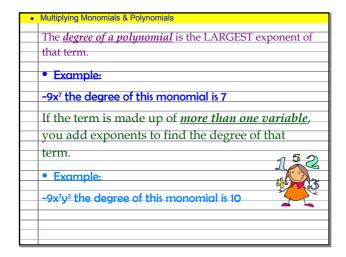


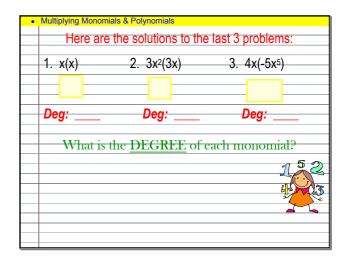
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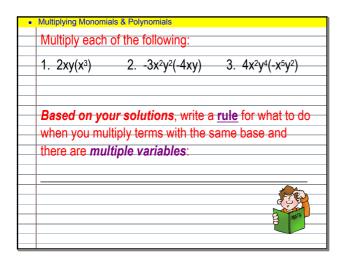


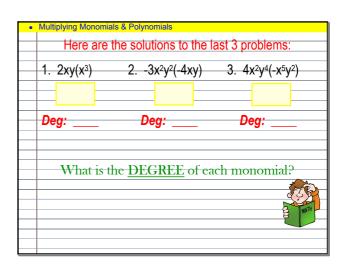


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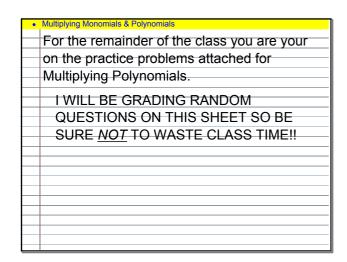


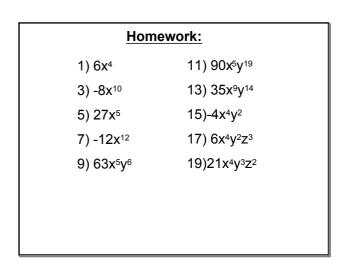




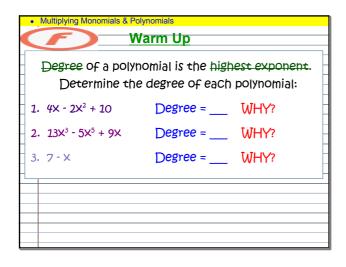


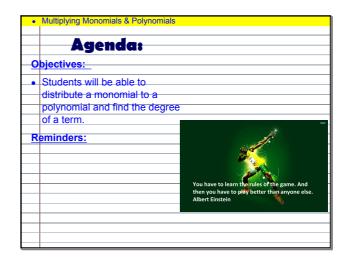
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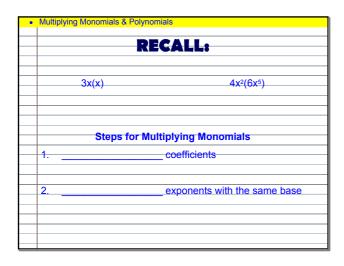


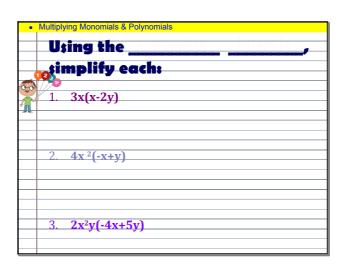


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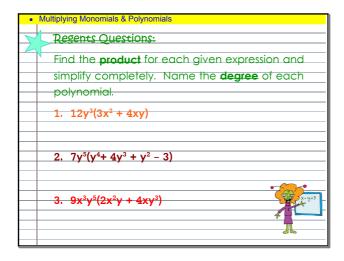


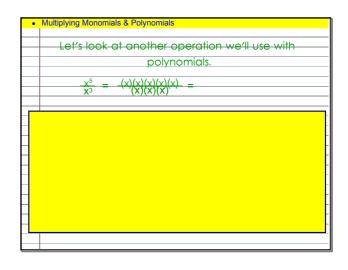






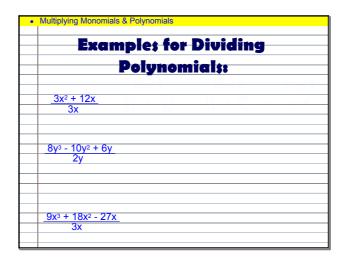
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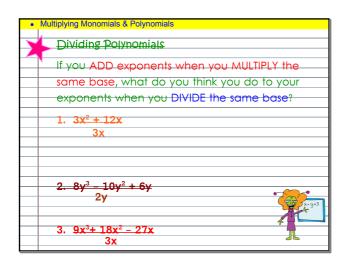


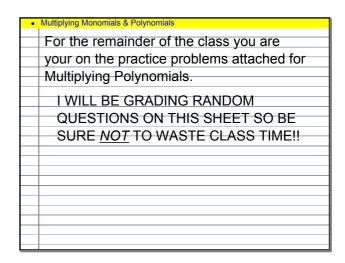


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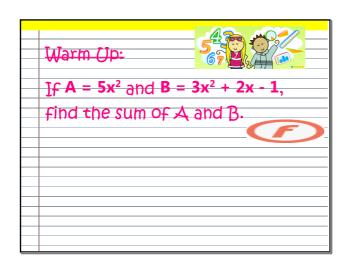
| Steps for     |  |
|---------------|--|
| Div           | iding Polynomials:                                 |
| 1ALL_terms    | the term in the denominator into of the numerator. |
| 2. Divide coe | fficients  |
| 3             | exponents with the same base:                      |





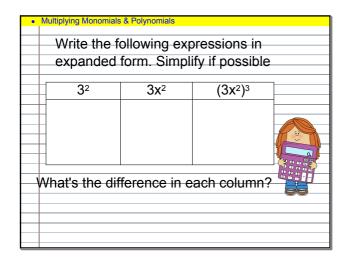


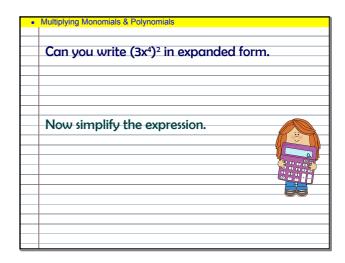
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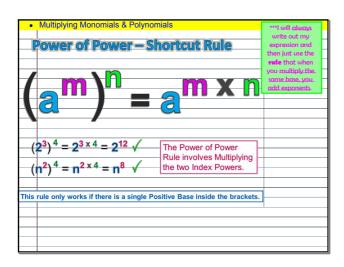


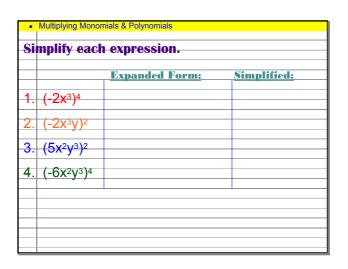


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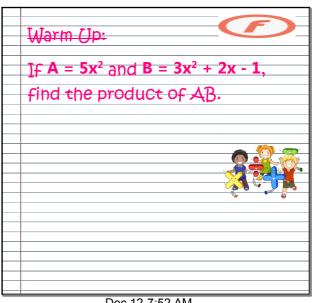




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For the remainder of the class you are your on the practice problems attached for Multiplying Polynomials.

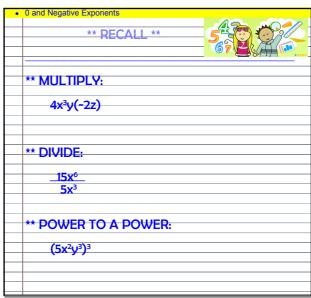
I WILL BE GRADING RANDOM QUESTIONS ON THIS SHEET SO BE SURE NOT TO WASTE CLASS TIME!!



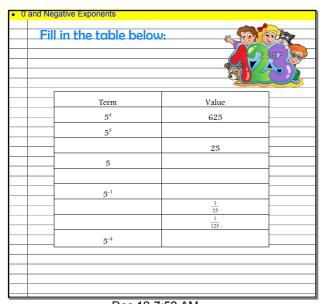
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| Agendo   | 10   |
|--|--|
| Students can determ<br>rule for a 0 exponen<br>negative exponents. |  |
| Reminders:   | "Leaders aren't born, they are made. And<br>they are made just like anything else,<br>through hard work. And that's the price<br>we'll have to pay to achieve that goal, or<br>any goal." - Vince Lombardi |

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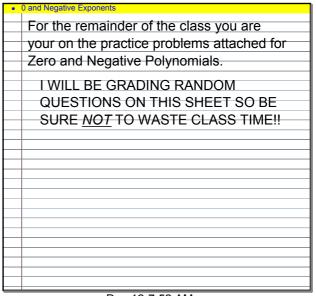
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| • 0 and | Negative Exponents                             |
|---------|--|
| *       | * What happens in the value column going       |
| t       | op to bottom?                                  |
|         | •  |
|         |  |
|         |  |
|         |  |
|         |  |
|         |  |
| *       | * Based on the table do you think all negative |
|         | exponents will be fractions? Why or why not?   |
|         | exponents will be fractions: Why or why hot:   |
|         |  |
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|         |  |
|         |  |
|         | Doc 40 7.50 AM                                 |

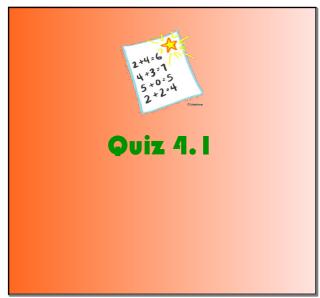
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| ** What is the exponent when the <b>value</b> is one? Do you think any term raised to that |
|--|
| one? Do you think any term raised to that  |
|  |
|  |
| power will be one? Why or why not? Give an   |
| example to prove your response.  |
|  |
|  |
|  |
|  |
| ** Based on your answers about the table write   |
| a (1) rule about zero exponents and a (2) rule   |
| about negative exponents.  |
|  |
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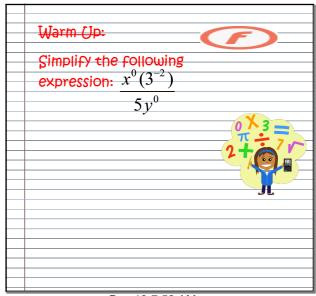
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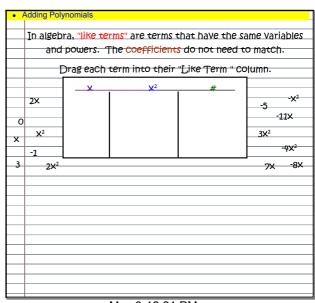
Dec 12-9:24 AM



Dec 12-7:52 AM

| Objectives:  Students can combine terms (add polynomia write their answers in form. | e like<br>ls) and   |
|---|---|
| Reminders:  | Success is no accident.  It is hard work, perseverance, learning, studying, sacrifice and Most of all, love of what you are doing.  -Pele |
|   |   |

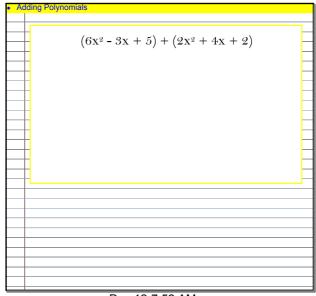
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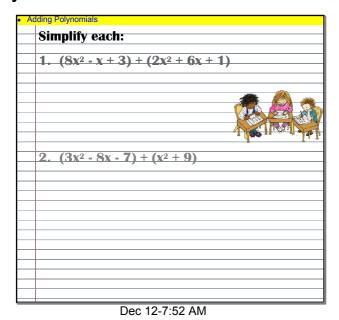
May 3-12:21 PM

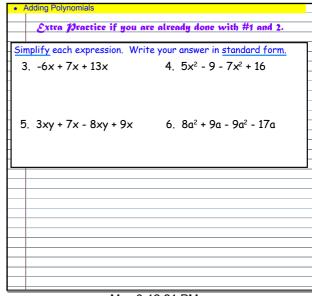
| Adding Polynomials                      |   |
|---|---|
|   |   |
| A polynomial in st<br>exponents (highes | randard form is written in descending order of it first). |
| Re-write each of                        | the following in standard form:                           |
| 1. 4x - 9x <sup>2</sup> + 3             | Standard form:  |
| 2. 6 - X + 4X <sup>3</sup>              | Standard form:  |
| 3. $X^4 - X^2 + X + X^3$                | Standard form:  |
|   |   |
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May 14-11:12 AM

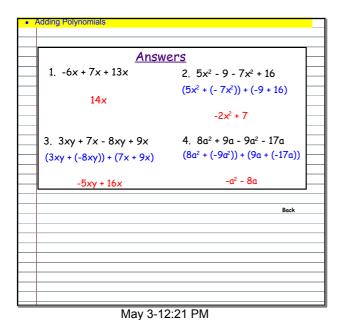


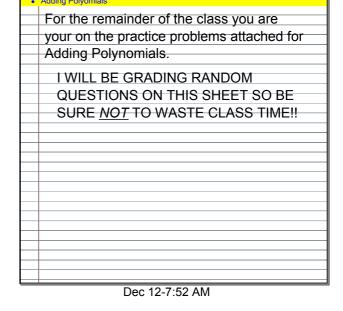
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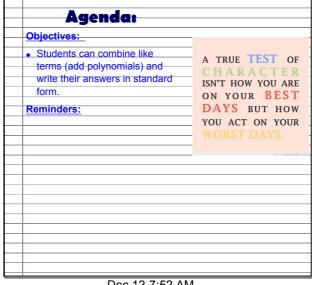


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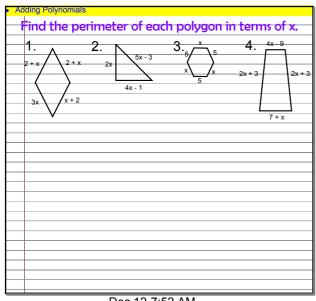




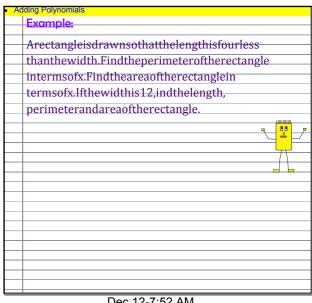
**Warm Up** Let's practice the Distributive Property: 1. 3(X + 5Y)2. -2(3X + 1) 4.  $-2X^2(y^2 + 5)$ 3. 4×(5-7Y) Dec 12-7:52 AM



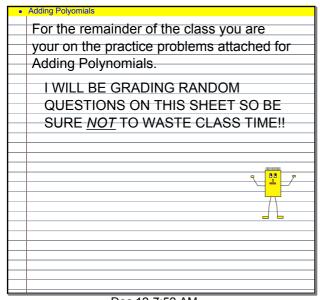
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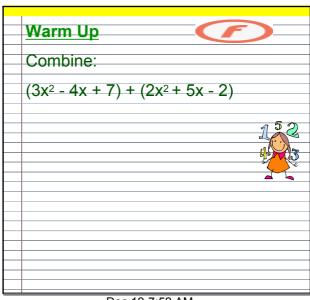
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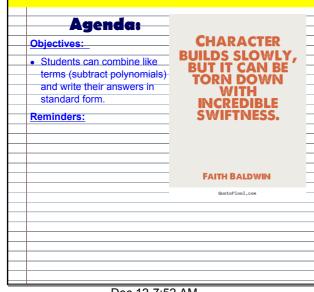
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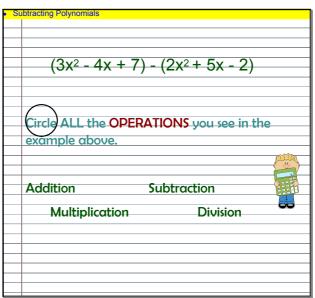
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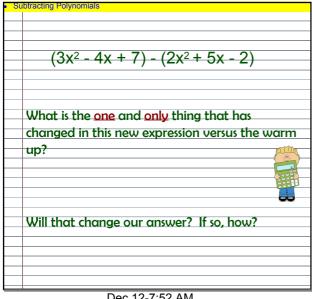
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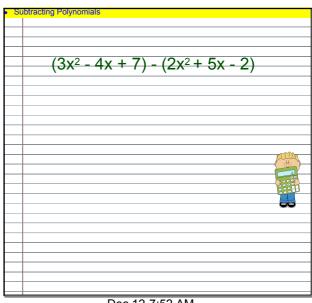
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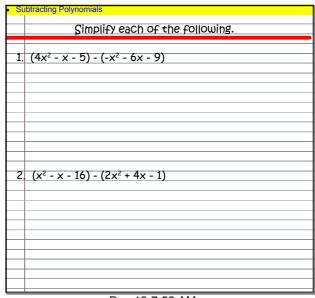
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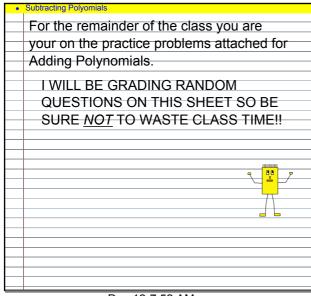
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|      | handing Dalamanials                 |
|------|-------------------------------------|
| • Su | btracting Polynomials               |
|      |                                     |
|      | Simplify each of the following.     |
|      | British addition of a following.    |
| L.   |                                     |
| 1.   | $(2x^2 - 3x + 4) - (5x^2 + 7x - 9)$ |
|      |                                     |
|      |                                     |
|      |                                     |
|      |                                     |
|      |                                     |
|      |                                     |
|      |                                     |
|      |                                     |
|      |                                     |
|      |                                     |
|      |                                     |
| 2.   | $(-x^2 - 5x - 6) - (x^2 + x - 1)$   |
|      |                                     |
|      |                                     |
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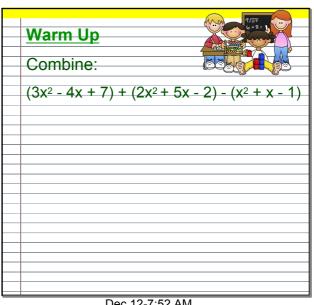
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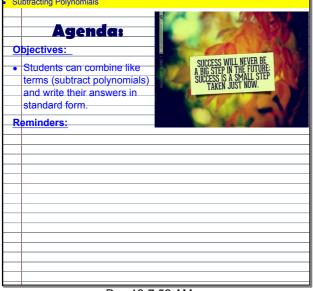
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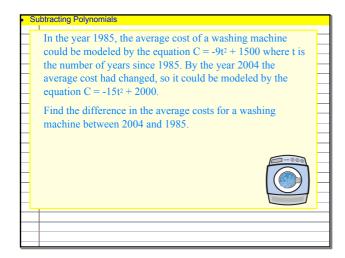
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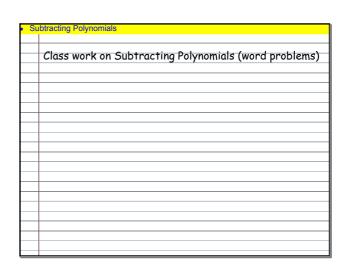
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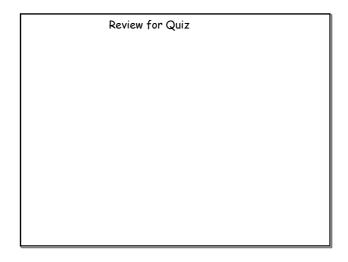
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Warm Up

Multiply. Write your answer in standard form.

What is the degree of your polynomial?

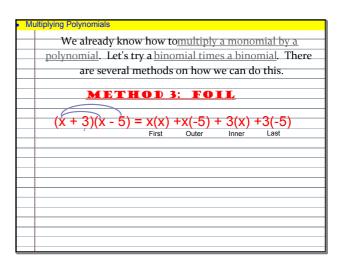
3x²(3x² - 4x + 7)

Dec 17-8:02 AM Dec 12-7:52 AM

| Agenda: Objectives:   |  |
|---|--|
| Students can multiply polynomials and write their answers in standard form.      Reminders: | GUCCEGG ISN'T HOW FAR YOU GOT, BUT THE DISTANCE YOU TRAVELED FROM WHERE YOU STARTEDProverb |

| <ul> <li>Multiplyi</li> </ul> | ng Polynomials  |
|-------------------------------|---|
|                               | We already know how tomultiply a monomial by a          |
| D.C                           | olynomial. Let's try a binomial times a binomial. There |
| pc                            | · · · · · · · · · · · · · · · · · · ·                   |
|                               | are several methods on how we can do this.              |
|                               |   |
| ME                            | THOD 1: DOUBLE DISTRIBUTE                               |
|                               |   |
|                               | (y   2)/y E) = y/y E)   2/y E)                          |
|                               | (x + 3)(x - 5) = x(x - 5) + 3(x - 5)                    |
|                               |   |
|                               |   |
|                               |   |
|                               |   |
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|                               |   |
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|                               |   |

| Multiplying Polynomials                        |                                      |  |
|--|--------------------------------------|--|
| We already know how tomultiply a monomial by a |                                      |  |
|  |                                      |  |
| polynomial. Let's try a binom                  | <u>iial times a binomial</u> . There |  |
| are several methods or                         | n how we can do this.                |  |
|  |                                      |  |
| METHOD 2: PUN                                  | NET COLLABO                          |  |
| METHUDZ: PUN                                   | NEI SZUARE                           |  |
|  | x +3                                 |  |
| ( L O)( E)                                     | X 10                                 |  |
| (x + 3)(x - 5) =                               |                                      |  |
| X  |                                      |  |
|  |                                      |  |
| -5   |                                      |  |
| -3   |                                      |  |
|  |                                      |  |
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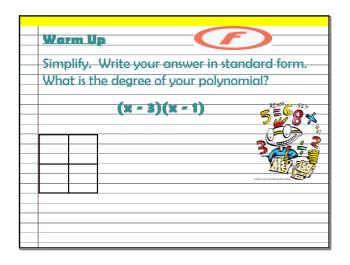


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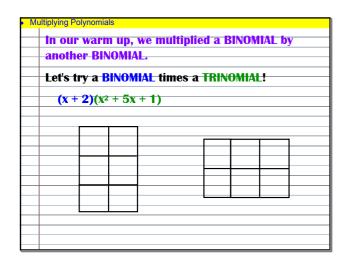
| Multiplying Polynomials  |                            |
|--|----------------------------|
| Multiply each set of binomials. W<br>form. Use any method of multipl<br>there for you if you prefer that m | ying. The punnet square is |
| 1. (x + 2) (x - 4)   |                            |
| 2. (x - 7) (x + 1)   |                            |
| 3. (4 - x) (5 - x)   |                            |
|  |                            |
|  |                            |
|  |                            |

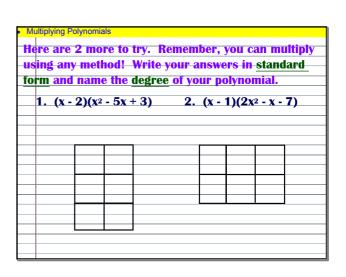
| • Mu     | ultiplying Polynomials              |
|----------|-------------------------------------|
|          |                                     |
|          | Class Work on Multiplying Binomials |
|          | Class Work on Walapiying Billomale  |
|          |                                     |
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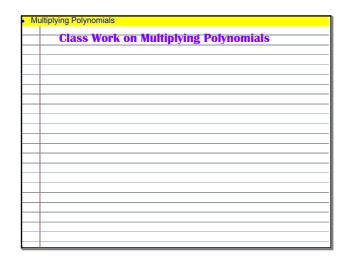


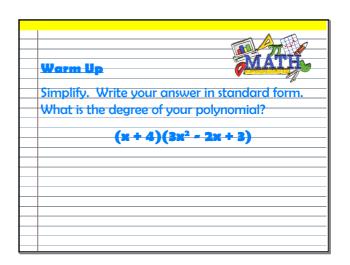






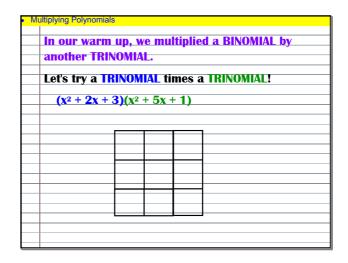
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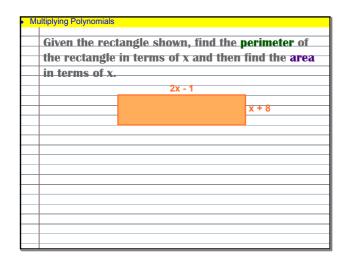


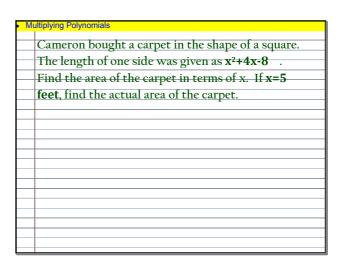


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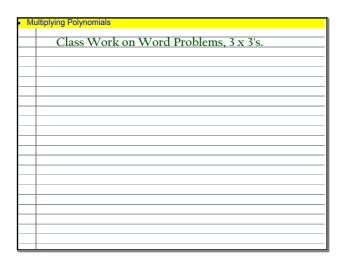


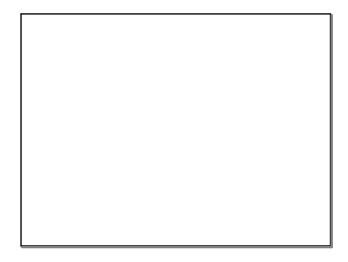






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Dec 17-8:18 AM