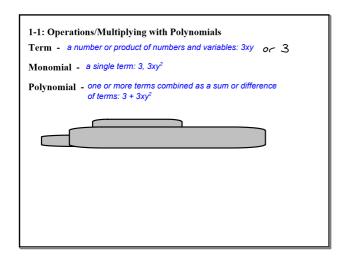
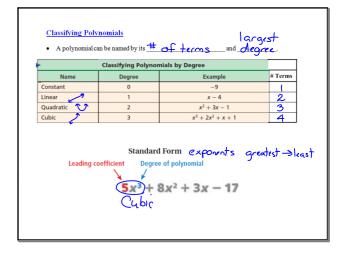
Registration for the PSAT ends on September 11th. Students can register online by going to the Guidance website and following the PSAT registration link. 11th graders planning on attending a 4 year college are encouraged to sit for the exam. 10th graders enrolled in Algebra 2 are also eligible to sit for the exam. The exam will be Wednesday, October 10th. The cost is \$16.

You will study Unit 1 • Operations & multiplying with polynomials **Polynomials** • Long division • Factoring polynomial expressions • The zeros of polynomial functions • The roots of polynomial equations • The intercepts of polynomial graphs • Solving polynomial equations by factoring • Simplifying Radicals and the Discriminant $\bullet\,$ Solving quadratic equations with the Quadratic Formula • Solving quadratic equations by Completing the Square

Sep 4-11:25 AM

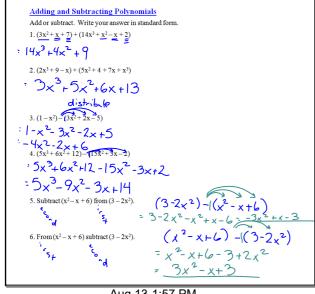
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Aug 13-1:40 PM

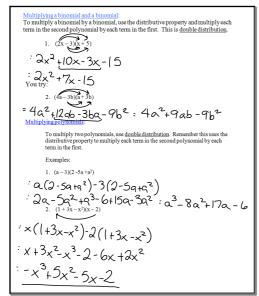


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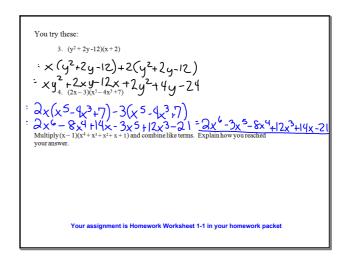
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Multiplying Polynomials
    • Remember (x^{a})(x^{b}) = x^{a+b}
1. x(x^{3}) : \times^{1+3} = \times^{4}
                                                                      2.3x^{2}(x^{5}):3x^{2+5}=3x^{7}
         3. xy(7x²) : 7x³y
                                                                      4. 3y<sup>2</sup>(-3y) : - 9 y 3
Multiplying a monomial and a polynomial:
To multiply a polynomial by a monomial, use the distribution property and the properties of exponents.
           1. 3x^2(x^3+4)
       \begin{array}{c} : \  \  \, \cancel{3} \times \cancel{5} + |2 \times \cancel{2}| \\ 2. \  \  \, ab(a^3 + 3ab^2 - b^3) \end{array}
      : a4b + 3a2b3-ab4
4. -x<sup>3</sup>y(6y<sup>3</sup>+y<sup>2</sup>-28y+30)

> - 6x<sup>2</sup>y<sup>4</sup>- x<sup>2</sup>y<sup>3</sup>+28x<sup>2</sup>y<sup>2</sup>-3Cx<sup>2</sup>y
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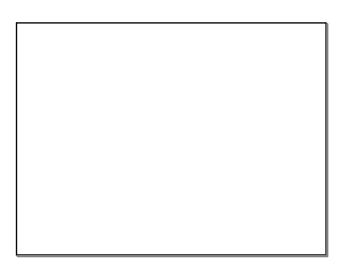
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Aug 13-2:00 PM



Aug 13-2:01 PM



Aug 24-3:16 PM