**College Algebra 1**

**8.3/8.4 Multiplying Binomials and Special Case Binomials**

*Objective: To multiply two binomials or a binomial by a trinomial*

*To find the square of a binomial and to find the product of a sum and difference*

**Starter(s):**

**Find the degree of each monomial.**

|  |  |  |
| --- | --- | --- |
| **1.** 3*s*3*t*3 | **2.** 3*n* | **3.** 5*xy* |

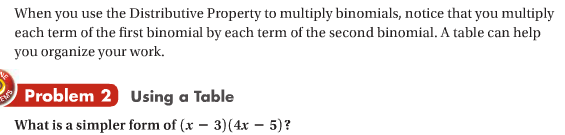
**Write each polynomial in standard form. Then name each polynomial based on its degree and number of terms.**

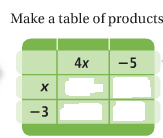
|  |  |
| --- | --- |
|  |  |
| **4.** −11*d*4 | **5.** 2*x*3 − 9 + 2*x* + 8 − 4*x* |

You can use the Distributive Property to multiply two Binomials



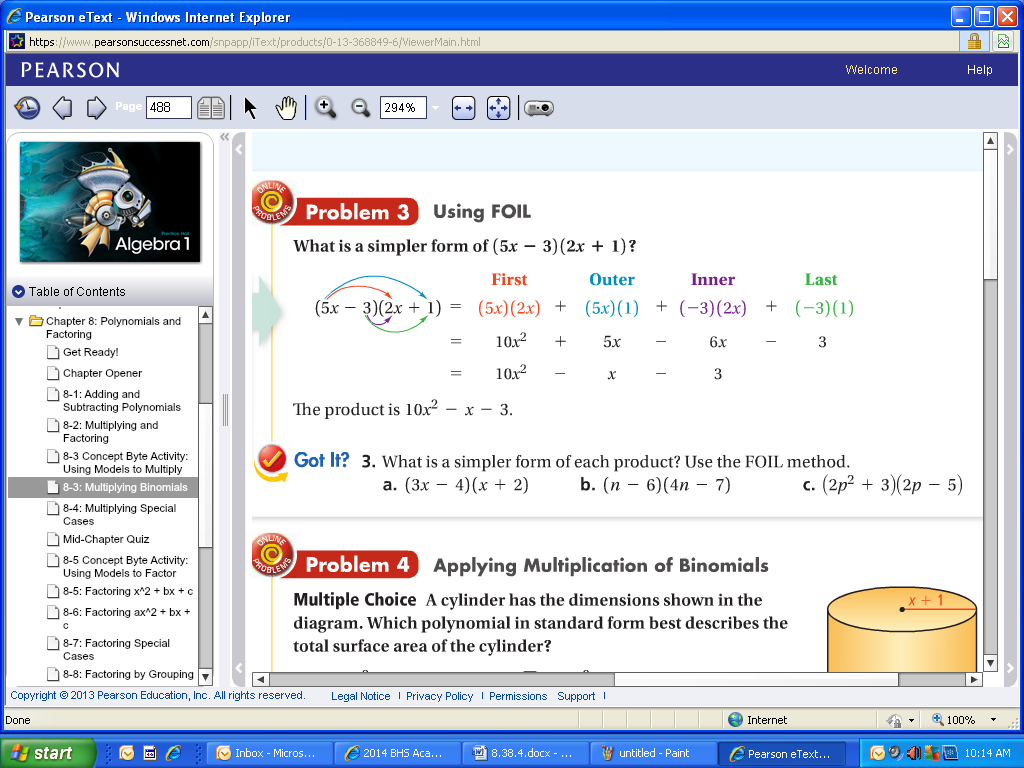


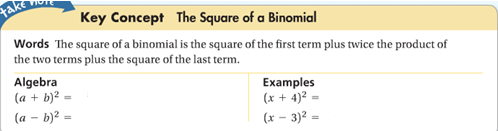




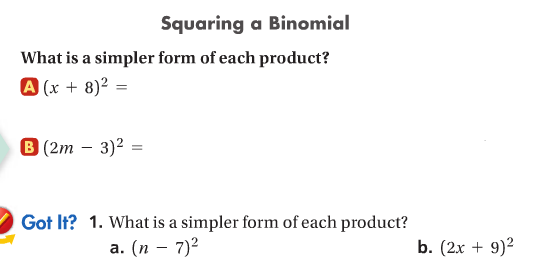






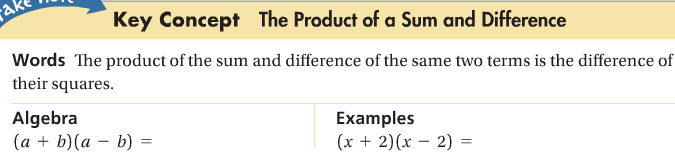


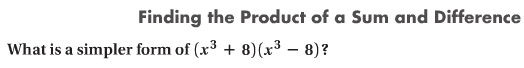






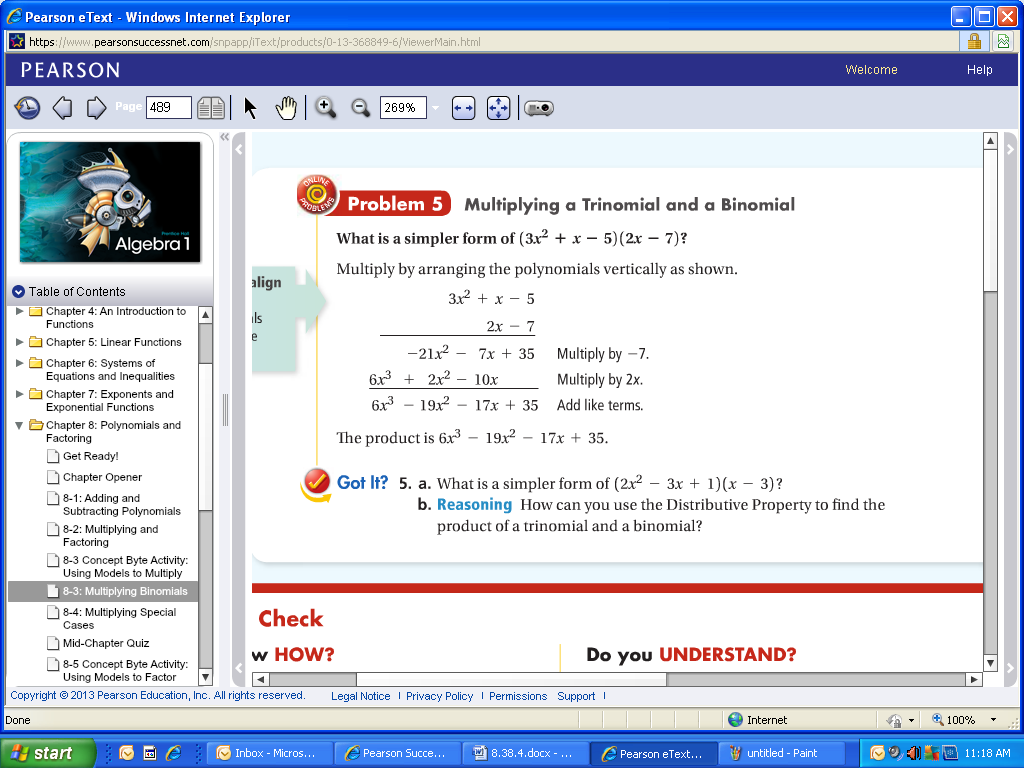


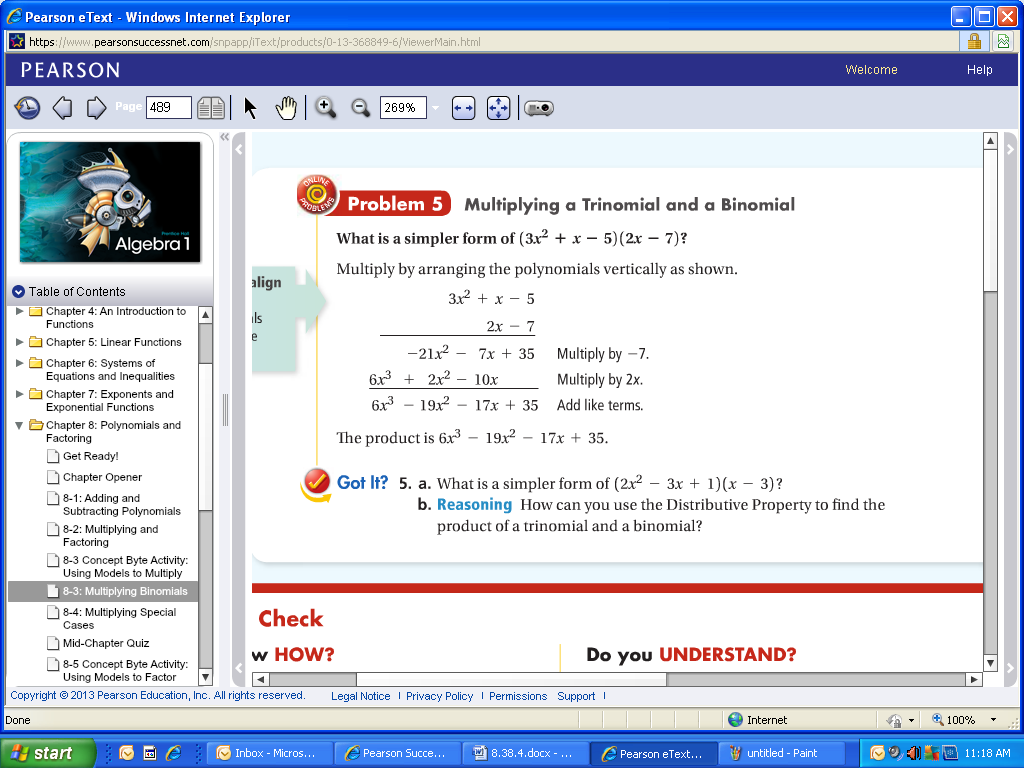


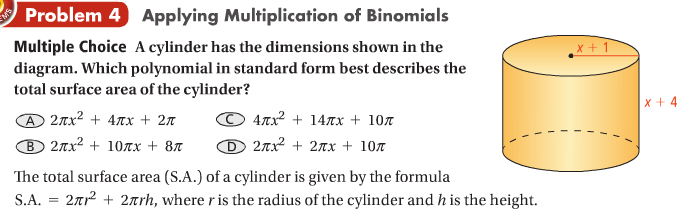


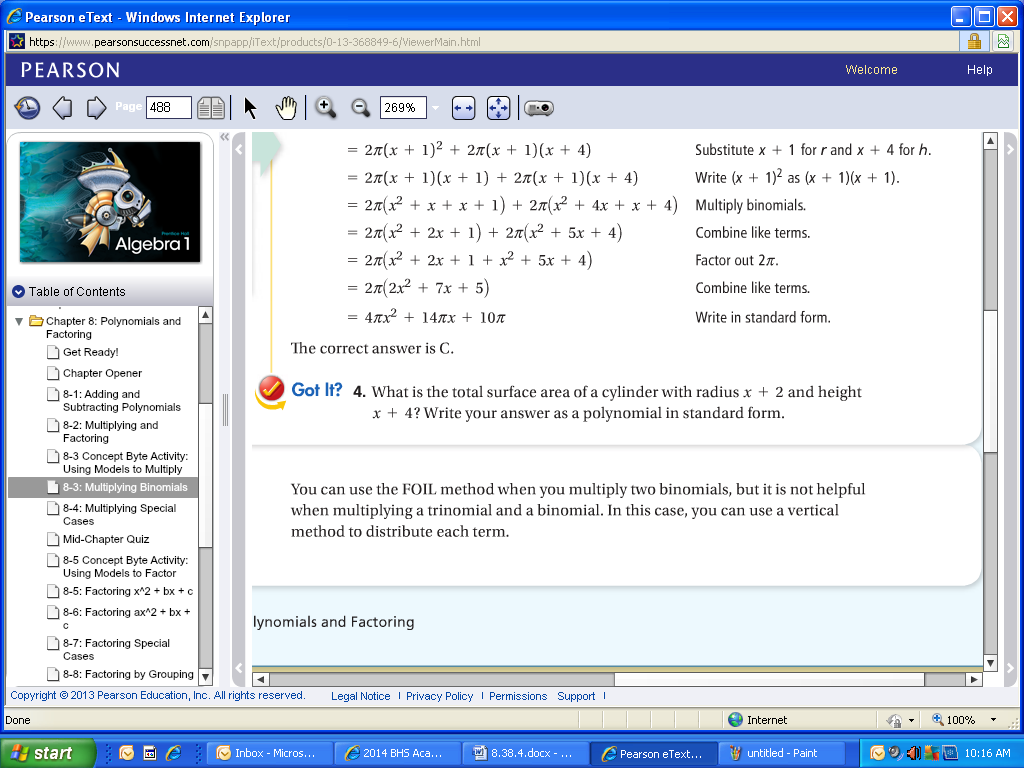


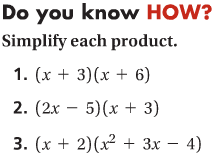


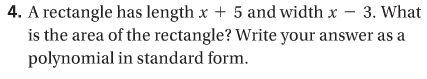


 Multiply vertically or using the distributive property









Find each product





