TEXAS INSTRUMENTS

## ALGEBRA I ACTIVITY 1: BINOMIAL MULTIPLICATION Tlalgebra.com

ACTIVITY OVERVIEW: In this activity we will	
<ul> <li>Enter an expression showing the multiplication of two binomials into Y1 in an equation that can be graphed.</li> <li>Multiply the binomials and enter the result into Y2 to verify that the graph remains the same.</li> <li>Combine like terms and enter the result into Y3 to</li> </ul>	
verify.	
First start by entering the expression shown in the $\underline{Y}$ = menu.	Plot1 Plot2 Plot3 $Y_1 = (X-2)(X+1)$ $Y_2 =$ $Y_3 =$ $Y_4 =$ $Y_5 =$ $Y_6 =$ $Y_7 =$
Next, press WINDOW and set to the Zoom 6 Standard.	MEMORY 1:ZBox 2:Zoom In 3:Zoom Out 4:ZDecimal 5:ZSquare 3 <b>:</b> ZStandard 7↓ZTri9
Now graph the equation by pressing the GRAPH key.	
Go back to the Y= menu and distribute like terms.	Plot1 Plot2 Plot3 \Y1 ■(X-2)(X+1) \Y2 ■X2+1X-2X-2■ \Y3= \Y4= \Y5= \Y6= \Y7=

