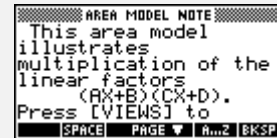


Objectives:

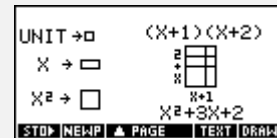
Using the **AREA MODEL** applet, the student will multiply first degree monomials and binomials.

Functionality:

When the student presses **START**, the **AREA MODEL NOTE** will be displayed.



The student should then view the **SKETCH** for a visual explanation.



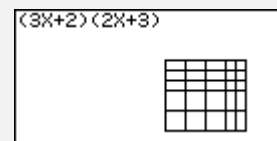
After viewing the note and sketch, **VIEWS** should be pressed to adjust the coefficients and constants, to view the area model, and to expand.



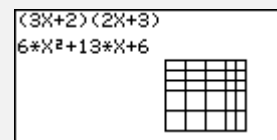
Adjust A, B, C, D prompts the student, through a series of adjust boxes, to enter values for A, B, C, and D in the expression $(Ax+B)(Cx+D)$.



View Area displays the expression and the area model.



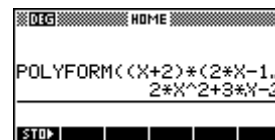
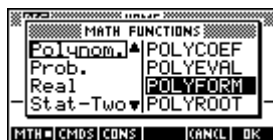
Expand displays the solution to the multiplication shown with the area model.



Additional Exploration:

At the HOME screen, use POLYFORM to expand. POLYFORM can be typed in the edit line or found by pressing **MATH, P**.

Syntax is POLYFORM(expression, variable). Eg:Expand $(x+2)(2x-1)$



Programs associated with this applet:
 .AR.E, .AR.D, .AR.AB, .AR.SV