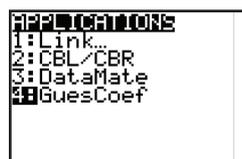




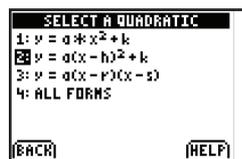
# Guess My Coefficients App

The Guess My Coefficients App familiarizes students with various forms of linear, quadratic, and absolute value functions.

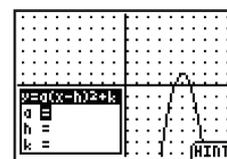
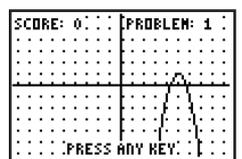
1. Press **[APPS]** and select GuesCoef. Press any key to get to the SELECT A GAME menu. Select a game.



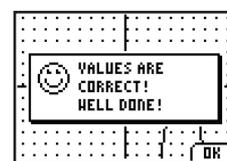
2. Select a function type.



3. The graph of a function is shown. Press any key to study the graph. Press any key again to display the input dialog box. Use the arrow keys to select a coefficient, and then input the value. Repeat for any remaining values.



4. A graph of the function with the values you input is displayed along with the graph of the function in the problem. A message displays stating whether you are correct or incorrect. If incorrect, you can change your input and check your new answer.



- If you are not sure about the values of a graph, you can obtain a hint, which marks some points on the graph and lets you trace the graph.
- Your score is computed based on whether you input the correct answer in the first or second try and whether you used a hint to help you determine the correct answer.
- The values that you input are always integers.
- For  $y = a(x - r)(x - s)$  form, the coefficient  $a$  is either  $-1$  or  $1$ .
- For quadratic and absolute value functions,  $a$  is from the set  $\pm\{1, 2, 3, 4\}$ .