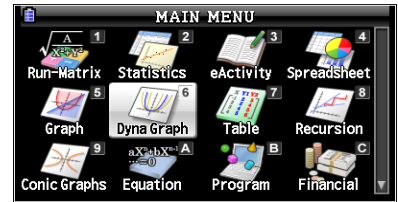


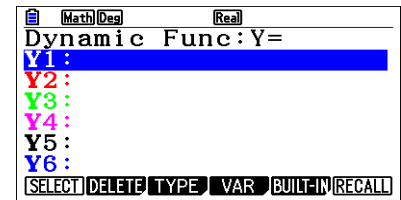
Dynamic Graphing on the PRIZM

Set your V-WINDOW to **F1** (INITIAL)

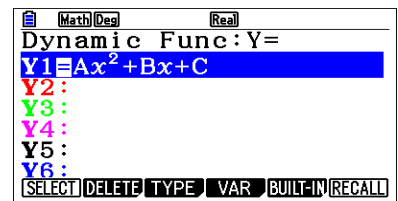
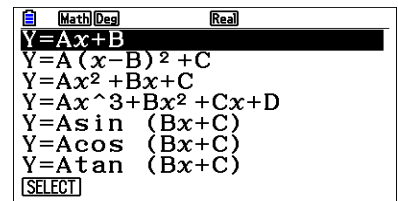
1. From the Main Menu (**MENU**), select the Dynamic Graph icon (**6**). This feature can be used to draw multiple versions of a graph by changing the values in a function.



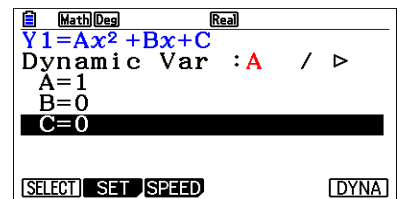
2. If there are any equations stored on the Y= Screen, delete them at this time.



3. Press **F5** (BUILT-IN). You can select one of the built in functions listed on the screen or create your own. Select $Y = Ax^2 + Bx + C$.

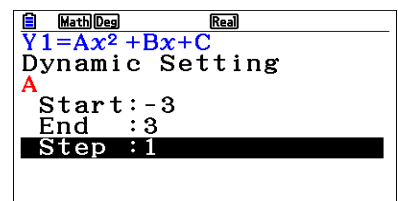


4. Press **F4** (VAR) to choose the variable that you want to make dynamic. Use \blacktriangle or \blacktriangledown followed by **F1** (SELECT) to choose the variable, which is shown in red.



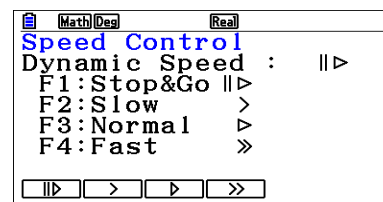
5. Press **F2** (SET) to set the minimum and maximum values for the variable that you selected to make dynamic.

Then press **EXIT**.

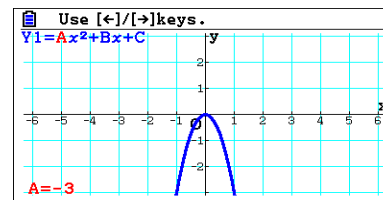


6. Press **F3** (SPEED) to select how you want to animate the graph of the function. Press **F1** for “Stop and Go.”

Then press **EXIT**.



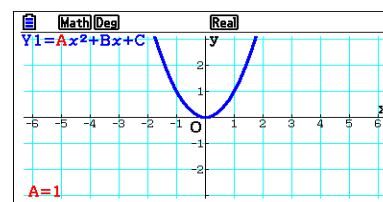
7. Press **F6** (DYNA) to see the graph. Press **EXE** to explore how the graph changes as the value of the dynamic variable changes. Or use the arrow keys.



8. Press **AC/ON** to return to the “Dynamic Setting” screen.

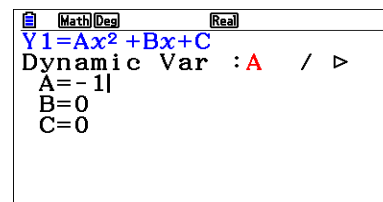
Press **EXIT** to return to the “Dynamic Variable” screen.

Press **EXIT** once more to return to the Equation Editor.



9. The graph becomes dynamic automatically if you choose as one of the (SPEED) options:

F2: Slow >
 F3: Normal ▷
 F4: Fast »



10. Explore the effect of changing the values of C and B on the graph of the function. What effect does each variable have on the graph of the function?