Another consideration is whether or not you should set the default drawing environment. In general you should not but instead leave the uer in control. This varies depending on specific objectives.

Grouping

It is a good idea to use grouping for your drawing. This allows the user to move the entire drawing by merely selecting and dragging it.

Example: Drop Lines

In this example, we show a procedure that adds a line from a particular point on a wave, identified by cursor A, to the bottom axis. The procedure assumes that the graph has left and bottom axes and that cursor A is on a trace. For clarity, error checking is omitted.

```
Menu "Graph"
   "Add Drop Line", AddDropLine()
End

Function AddDropLine()
   Variable includeArrow = 2              // 1=No, 2=Yes
   Prompt includeArrow, "Include arrow head?", popup "No;Yes"
   DoPrompt "Add Drop Line", includeArrow
   includeArrow -= 1                      // 0=No, 1=Yes

   Variable xCursorPosition = hcsr(A)
   Variable yCursorPosition = vcsr(A)

   GetAxis/Q left
   Variable axisYPosition = V_min

   SetDrawEnv xcoord=bottom, ycoord=left
   if (includeArrow)
      SetDrawEnv arrow=1, arrowlen=8, arrowfat=0.5
   else
      SetDrawEnv arrow=0
   endif
   DrawLine xCursorPosition,yCursorPosition,xCursorPosition,axisYPosition
End
```