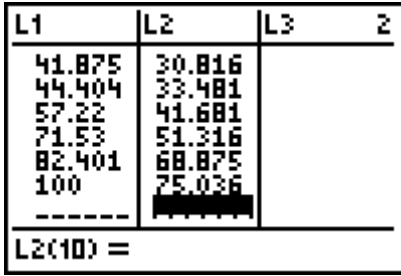

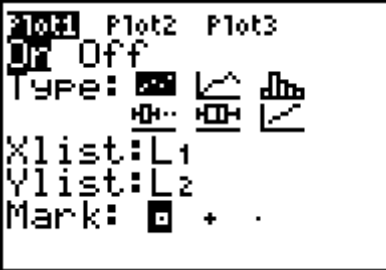
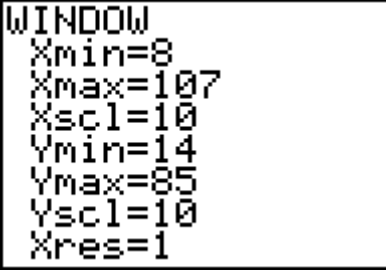


Suppose we want to make a scatter plot of the data in the table below.

Educational Attainment	Average Annual Earning for Males (\$ thousand)	Average Annual Earning for Females (\$ thousand)
Less than ninth grade	21.659	17.659
Some high school	26.277	19.162
High school graduate	35.725	26.029
Some college	41.875	30.816
Associate's degree	44.404	33.481
Bachelor's degree	57.220	41.681
Master's degree	71.530	51.316
Doctorate degree	82.401	68.875
Professional degree	100.000	75.036

Before we can make the scatter plot, we must decide which axes will correspond to which column. Suppose the independent variable (graphed horizontally) corresponds to the Average Annual Earning for Males and the dependent variable (graphed vertically) corresponds to the Average Annual Earnings for Females.

<p>Enter the data</p> <ol style="list-style-type: none"> To enter the data, press [STAT]. Press [ENTER] to select 1: Edit... If there is already data in the L1 and L2 lists, move you cursor to the name of the list and press [CLEAR][ENTER]. This should remove the contents of the list. Enter the male earning in the L₁ list and female earnings in the L₂ list. 	 <p style="font-family: monospace; font-size: small;"> <table border="1" style="border-collapse: collapse; margin: auto;"> <thead> <tr> <th>L1</th> <th>L2</th> <th>L3</th> <th>Z</th> </tr> </thead> <tbody> <tr> <td>41.875</td> <td>30.816</td> <td></td> <td></td> </tr> <tr> <td>44.404</td> <td>33.481</td> <td></td> <td></td> </tr> <tr> <td>57.22</td> <td>41.681</td> <td></td> <td></td> </tr> <tr> <td>71.53</td> <td>51.316</td> <td></td> <td></td> </tr> <tr> <td>82.401</td> <td>68.875</td> <td></td> <td></td> </tr> <tr> <td>100</td> <td>75.036</td> <td></td> <td></td> </tr> <tr> <td>-----</td> <td>*****</td> <td></td> <td></td> </tr> <tr> <td colspan="4">L2(10) =</td> </tr> </tbody> </table> </p>	L1	L2	L3	Z	41.875	30.816			44.404	33.481			57.22	41.681			71.53	51.316			82.401	68.875			100	75.036			-----	*****			L2(10) =			
L1	L2	L3	Z																																		
41.875	30.816																																				
44.404	33.481																																				
57.22	41.681																																				
71.53	51.316																																				
82.401	68.875																																				
100	75.036																																				
-----	*****																																				
L2(10) =																																					

<p>4. Press 2nd Y= to format Plot 1. Select 1: Plot 1 and press ENTER.</p>	
<p>5. Make sure the plot is turned on and that the data is coming from L1 and L2. Make any changes so that the screen looks like the one to the right.</p>	
<p>6. Press WINDOW and adjust the window to the values shown to the right.</p>	
<p>7. Press GRAPH to see the scatter plot.</p>	