**Creating a Scatter Plot (With Points) on the Calculator**

|  |  |
| --- | --- |
| Clear Memory | 2nd, +, 7, 1, 2 |
| Enter table into Lists | STAT, 1:Editt |
| Set Appropriate Window | WINDOW  XMin =  XMax =  YMin =  YMax = |
| Get the Points in the Graph | 2nd, Y= (STAT PLOT)  1: Plot1…On  Type (First Option)  XList: L1  YList: L2  Mark: (Choose one) |
| What Type of Regression is it? | Linear  Quadratic  Exponential |
| Draw the Regression Equation | STAT  CALC  (Choose appropriate below)  4: LinReg (ax + b)  5: QuadReg  0: ExpReg |
| Regression Info | XList: L1  YList: L2  FreqList: (leave blank)  Store RegEq: Y1  Calculate |
| Store RegEq: Y1 | VARS  Y-VARS  1:Function  1:Y1 |

Example:

A real estate agent plans to compare the price of a cottage, *y*, in a town on the seashore to the number of blocks, *x*, the cottage is from the beach. The accompanying table shows a random sample of sales and location data. Write a linear regression equation that relates the price of a cottage to its distance from the beach. Use the equation to predict the price of a cottage, to the *nearest dollar*, located three blocks from the beach.

