

# Linear regression with the TI-86 **QUICK REFERENCE**

*DIRECTIONS: Before you begin, press **GRAPH**  $y(x)=$  and **CLEAR** all equations.*

*Then press* **2nd** **STAT** **PLOT (F3)** **PIOff (F5)** **ENTER**

*1. Clear previous data:*

**2nd** **STAT** **EDIT** **▲** **CLEAR** **▼**  
use **◀** or **▶** to get to the next list, then repeat **▲** **CLEAR** **▼**.

*2. Enter new data:*

**2nd** **STAT** **EDIT** enter inputs under **xStat**, and outputs under **yStat**  
enter a 1 under **fstat** to correspond to each data value **EXIT**

*3. To see the scattergram:*

**2nd** **STAT** **PLOT (F3)** **PLOT1(F1)** **ENTER** **GRAPH** **ZOOM (F3)**  
**MORE** **ZDATA (F5)**

*4. To find the regression equation:*

**2nd** **STAT** **CALC** **LinR (F3)** **ENTER**

*5. To see the graph of the regression line:*

**GRAPH**  $y(x)=$  (F1) **2nd** **STAT** **VARS (F5)** **MORE** **MORE** **RegEq (F2)** **GRAPH** **GRAPH(F5)**