
TI-36X

■ 1. Data IN - Enter data values into your calculator

Points used for this example: (10, 15), (12, 20), (15, 35)

Press: $\boxed{\text{ON/AC}}$ to clear from memory any pre-existing data.

Press: $\boxed{3 \text{ rd}}$ $\boxed{\text{STAT2}}$

Press: $\boxed{10}$ $\boxed{x \rightleftharpoons y}$ $\boxed{15}$ $\boxed{\Sigma +}$ $\boxed{12}$ $\boxed{x \rightleftharpoons y}$ $\boxed{20}$ $\boxed{\Sigma +}$ $\boxed{15}$ $\boxed{x \rightleftharpoons y}$ $\boxed{35}$ $\boxed{\Sigma +}$ to enter the data points into the statistical memory of the calculator. After pressing $\boxed{\Sigma +}$ each time the display changes to tell you how many data values have been entered. The $\boxed{x \rightleftharpoons y}$ button is in the first column and third row on the keyboard.

■ 2. Calculate

Press: $\boxed{3 \text{ rd}}$ $\boxed{\text{COR}}$ to compute the correlation for the data.

Press: $\boxed{2 \text{ nd}}$ $\boxed{\text{SLP}}$ to compute the slope of the regression line.

Press: $\boxed{2 \text{ nd}}$ $\boxed{\text{ITC}}$ to compute the intercept of the regression line.

For the example data set the correlation is $r = 0.986$, the slope is 4.079, and the y-intercept is -26.974 .

■ 3. Data OUT - Clear data values from your calculator

Press: $\boxed{\text{ON/AC}}$