

## Calculating $r$ and $r^2$

To calculate  $r$  and  $r^2$ , first enter the independent variable into L1 and the dependent variable into L2.

To calculate these values follow the same procedure as finding the least squares regression line. When the least squares regression screen appears the values for  $r$  and  $r^2$  will also be visible.

```
LinReg
y=a+bx
a=-104.5249284
b=2.164086762
r2=.8466879727
r=.9201564936
```

## What if the calculator does not show values for $r$ and $r^2$ ?

Press **2nd** and **0** then arrow down until **DiagnosticOn** appears, select this by pressing **ENTER** and then press **ENTER** again and it will say Done and now  $r$  and  $r^2$  will appear (when you calculate a least squares regression line) as long as the calculator is not reset.

```
CATALOG
DependAsk
DependAuto
det(
DiagnosticOff
▶DiagnosticOn
dim(
Disp
```