

# STATISTICS

## Calculator Steps (TI-84 Plus) for Chapter 9 (Correlation & Regression)

### Scatter Diagram:

Stat → Edit → Input Lists

Stat Plot 1 = On

Zoom → #9 (Zoom Stat) → Enter

### To find r and r<sup>2</sup>:

2<sup>nd</sup> Catalog + DiagnosticOn + Enter 2x

Stat → Calc → #8 (LinReg (y = a+bx))

### Best Fitting Line:

Follow the calculator steps to find R

2<sup>nd</sup> → Stat Plot 1 = On

y = → Vars → #5 (Statistics) → EQ → #1 (Reg EQ) → Enter → Zoom → #9 (Zoom Stat)

### To Find Se, t and p:

Stat → Tests → F (LinRegTTest) → Select Inequality → Calculate

### Confidence Interval for B:

Stat → Tests → G (LinRegTInt) → Enter C-Level → Calculate