

# Quadratic Regression

## College Algebra

### Main Ideas

- Quadratic regression is very similar to linear regression and exponential regression.
- Almost all the calculator steps are the same.
- The followup questions are the same from other sections of the Quadratic Functions unit.

### Quadratic Regression

#### How To – Quadratic Regression on a TI Graphing Calculator

To perform quadratic regression on a TI graphing calculator:

1. Type “STAT” and go to “1:Edit...”.
2. Enter the values of the independent variable in “L1” and the matching values of the dependent variable in “L2”.
3. Type “STAT”, go right to “CALC”, and go to “5:QuadReg”.
4. Depending on your calculator, type “ENTER” if you see QuadReg on the home screen or go down to “CALCULATE” if you have a menu.

#### How To – Access the Most Recent Regression Equation

To access the most recent regression equation:

1. Type “VARS” and go down to “5:Statistics...”.
2. Go right to “EQ”.
3. Go to “1:RegEQ”.