

## To Do Now After 9.1 & 9.2

| High School GPA | College GPA |
|-----------------|-------------|
| 2.00            | 1.60        |
| 2.25            | 2.00        |
| 2.20            | 1.80        |
| 2.65            | 2.80        |
| 2.60            | 2.30        |
| 3.10            | 2.80        |
| 2.90            | 2.65        |
| 2.95            | 2.25        |
| 3.10            | 2.60        |
| 3.45            | 3.00        |
| 3.25            | 3.10        |

1. Sketch the scatterplot of the data.
2. Find the regression line.
3. Find the correlation coefficient.
4. Given the following High School GPA, predict the College GPA.
  - a. 2.85
  - b. 3.20

- 1. Give a real life example of a data set that would have a positive correlation.**
- 2. Give a real life example of a data set that would have a negative correlation.**
- 3. Give a real life example of a data set that would have no correlation.**