Instructions: Please include this as the cover page of your answers and make sure to sign the pledge. No question should be spread across more than one sheet. All sheets must be stapled together, otherwise your quiz will not be accepted. Please write legibly. There are 9 questions worth 20 pts total. The assignment is due Friday 13th April.

Name in CAPITALS (First Last): ________________________________

3.27, 3.31 (Hint for (b): is there some structure which is not linear?), 3.34, 3.35, 3.36, 3.47, 3.58, 3.61 (you must give reasons, yes and no is not enough).

1. For the height and shoe-size data that we obtained in class, calculate the least squares line using shoe size as the \( x \) variable. (The case where height was the \( x \) variable was done in class).
   Graph both least squares lines on a graph where height is on the \( x \) axis and shoe size is on the \( y \) axis.

I have neither given nor received any unauthorized help on this exam and I have conducted myself within the guidelines of the University Honor Code.

Pledge: ________________________________