Study question answers must be typed and single-spaced. Where the question calls for a list, each item on the list should be on its own line.

Answers should be brief.

If computations are called for, they should be neatly displayed on an 8.5 x 11 inch sheet of ruled paper.

All pages should be stapled together. Your name and the course number should appear on each page.

Text: Pyrczak

1. The Wechsler IQ tests have standardized scores where $\mu = 100$ and $\sigma = 15$.
   a. What proportion of scores are below IQ = 85?
   b. What proportion of scores are above IQ = 103?
   c. What proportion of scores are between IQ = 88 and IQ = 115?

   Show your work

2. For $r_{12} = +0.6$ and $r_{13} = -0.8$, which of these two correlation coefficients represents the stronger relationship? Explain you answer using the coefficient of determination,

3. Use graph paper and draw the prediction line defined by $Y_{pred} = 2 + 3.5X$

Text: Grinnell

4. Why would the following not be a good question/item for a questionnaire?

   “When I go outside, I do not feel nervous.”