2  iii is better than i and ii. It is very unlikely that students whose names happen to fall at the top of a page in the phone book will differ systematically in height from the population of students as a whole. It is somewhat more likely that engineering majors will differ, and very likely that students involved with basketball intramurals will differ.

4  ii is correct.

MINITAB

a)  Histogram of females lengths

![Histogram of female lengths](image)
b) Pie chart of males lengths

![Pie Chart of Male lengths](image)

- Category
  - 95.0
  - 96.0
  - Other

- Pie Chart of Male lengths

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c) Dot plot of females lengths

![Dotplot of Females lengths](image)

- Females lengths in cm.

- Dotplot of Females lengths