Homework Solutions
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Exercise 6

(a) The average of all five students is 22.4.

(b) Their mean age is 19, which does not equal the population mean.

(c) Their mean age is 22.5, which also does not equal the population mean.

(d) The following table shows the students, their ages, and the sample mean for each of the eight remaining samples of size 2.

Students	Ages	Sample Mean
1, 4	18, 21	19.5
1, 5	18, 26	22.0
2, 3	20, 27	23.5
2, 4	20, 21	20.5
2, 5	20, 26	23.0
3, 4	27, 21	24.0
3, 5	27, 26	26.5
4, 5	21, 26	23.5