

## Homework Solutions

### Chapter 4 – Page 284

#### Exercise 67

- (a) Waiting time itself is continuous. However, it appears that they recorded the times to the nearest 5 minutes. That confuses the situation, so I would accept either answer. I think the authors want you to say “discrete,” but I would insist that it is continuous.
- (b) It is unimodal and skewed to the right (larger values).
- (c) About 3. I would accept any answer between 2 and 4.
- (d) My guess is that they “sampled” all of the patients that day, and there were 30 of them. It was most likely not a simple random sample. It is possible that they randomly selected patients as they appeared, in which case it is conceivable that it is a simple random sample of the population of all patients who visited the doctor *that day*, but it cannot be a simple random sample of all patients (from all days) because patients from any other day had no chance of being in the sample.