

## 5.2 Foundations of Math II

p. 222 #3, 4, 7, 9

3. a) top height = 87 ~ 90  
bottom height = 63 ~ 60  
range = 90 - 60 = 30

$$\frac{30}{6} = 5$$

frequency table

60-64.9		2
65-69.9		3
70-74.9		6
75-79.9		8
80-84.9		8
85-89.9		3

my answers are a little different because my intervals are slightly different

b) see graph

- c) The most frequent range of heights is 75-80 and 80-85 inches  
The least frequent range of heights 60-65 inches.

4. a) Most ATM's give cash in multiples of \$20 so use that as the interval

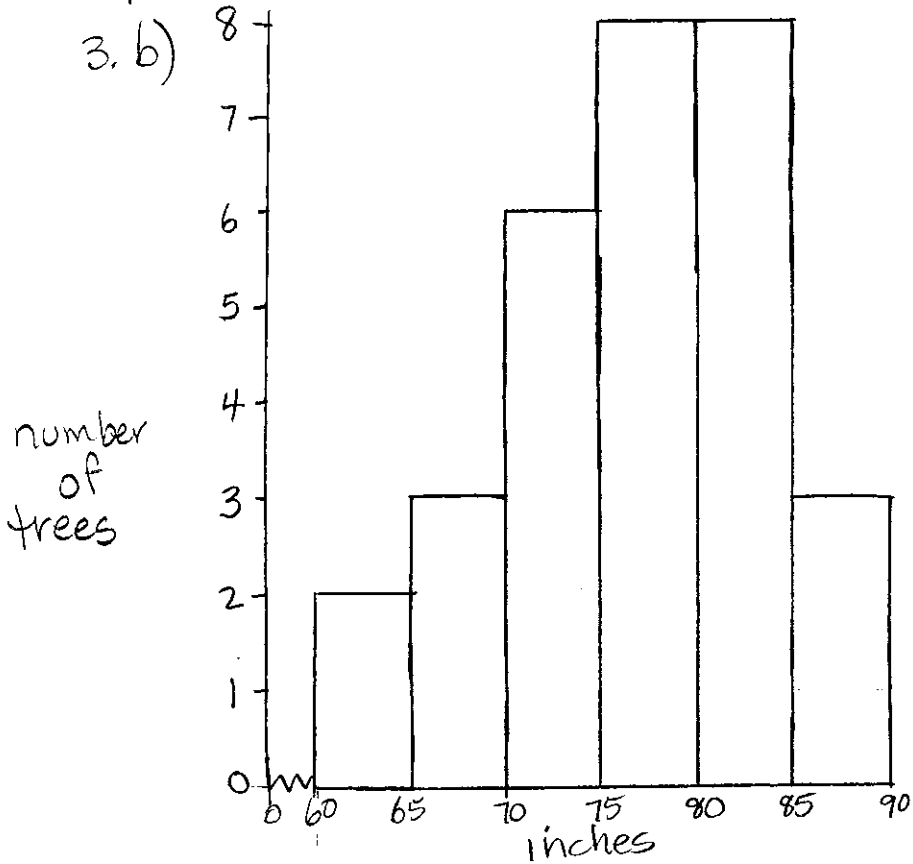
b) frequency table

0-20		4
21-40		5
41-60		8
61-80		9
81-100		6
101-120		4
121-140		6
141-160		4
161-180		2
181-200		2

c) see graph

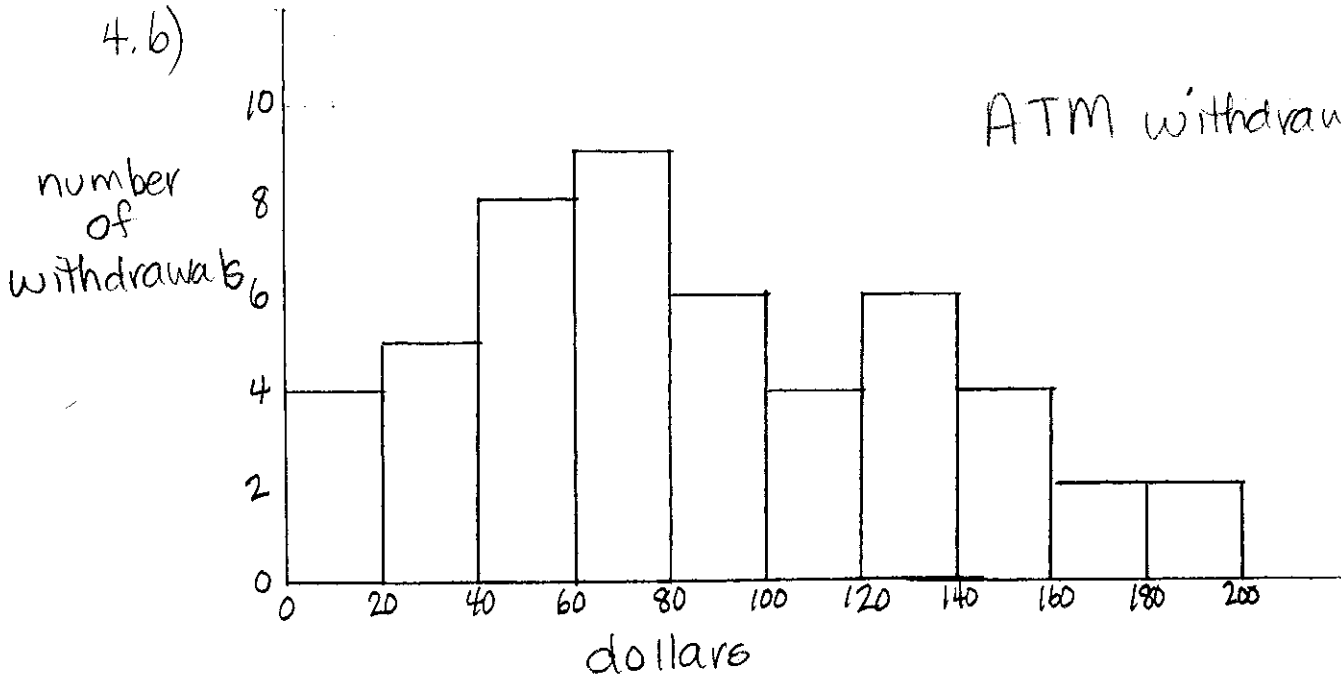
p.222 cont.

3. b)



Heights of trees

4. b)



ATM withdrawals

p. 222 cont.

4. d) Most withdrawals are between \$40-80. The least number of withdrawals is over \$160. More people take out lower amounts than higher amounts.

7. a) see graph

b) A higher rate of errors occur earlier in the shift.

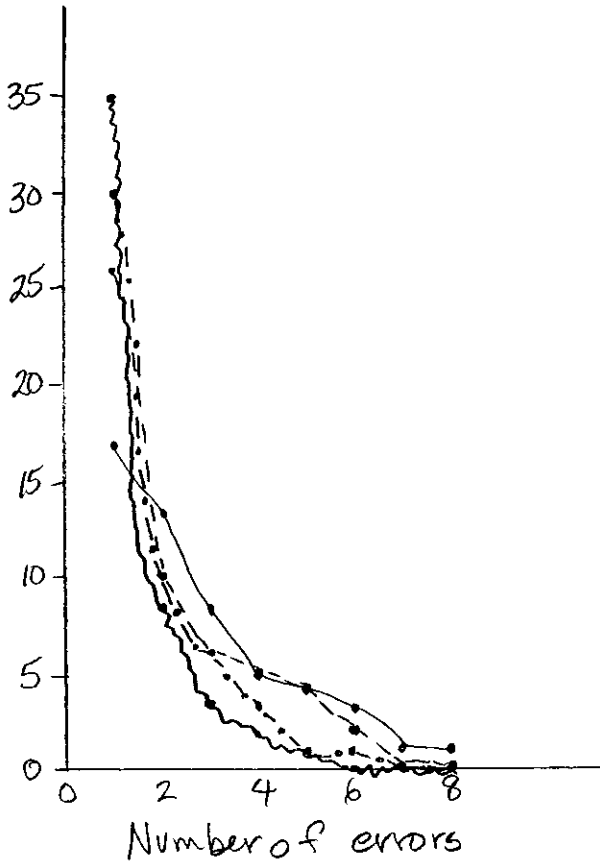
9. See graph

Young drivers have more accidents and more young passengers (of the same ages) are involved in accidents.

p.222 cont.

### Assembly line errors

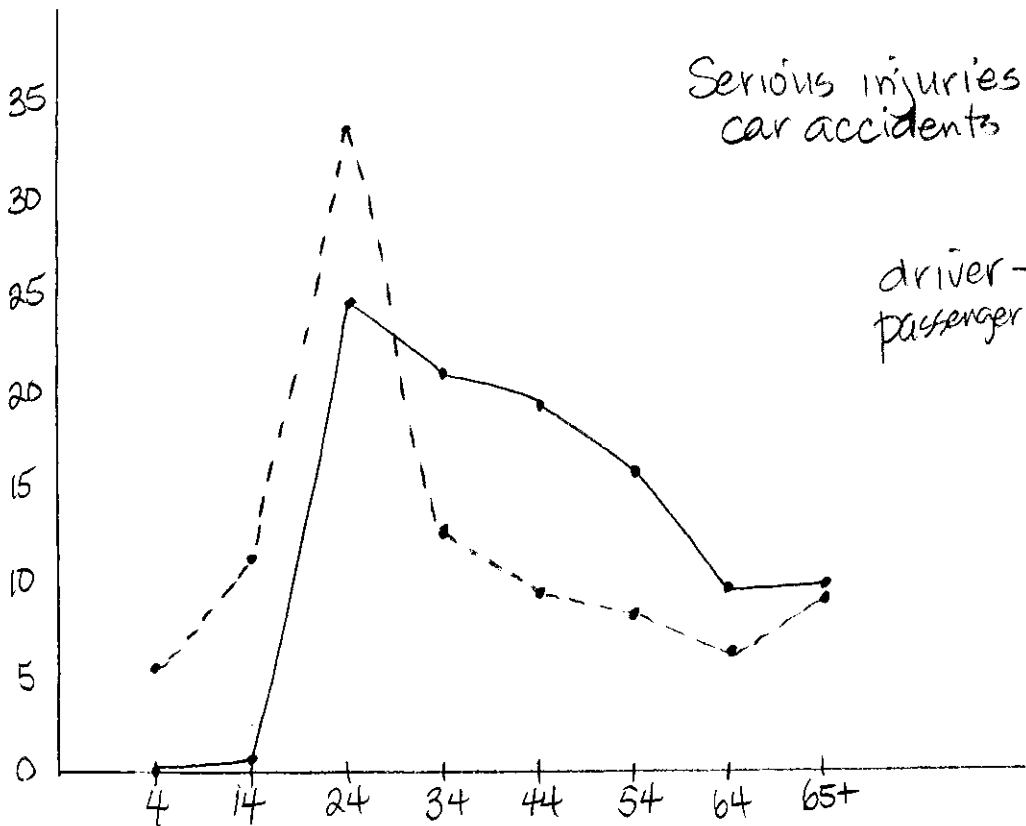
7.a)  
Frequency of errors



1st hour —  
2nd hour - - -  
3rd hour - . - .  
4th hour ~ ~ ~ ~

9.

Percent



### Serious injuries in car accidents

driver —  
passenger - - -