

Chapter 6 Solutions

Section 6.1

Question 1 1a)

Class	Frequency
0	5
1	8
2	3
3	4

1b)

Class	Relative Frequency
0	0.25 or 25%
1	0.40 or 40%
2	0.15 or 15%
3	0.20 or 20%

1c) Based on the relative frequency table, the percentage of hours with 1 or less defective units is $25\% + 40\%$ or 65% .

2a)

Class	Frequency
[25, 40)	2
[40, 55)	0
[55, 70)	3
[70, 85)	7
[85, 100)	8

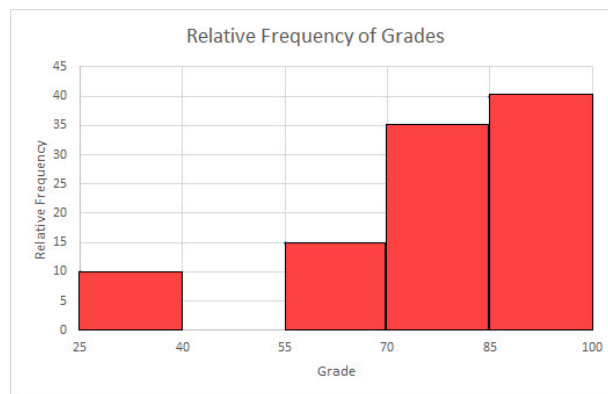
2b)

Class	Relative Frequency
[25, 40)	0.10 or 10%
[40, 55)	0 or 0%
[55, 70)	0.15 or 15%
[70, 85)	0.35 or 35%
[85, 100)	0.40 or 40%

2c) 10% + 15% or 25%

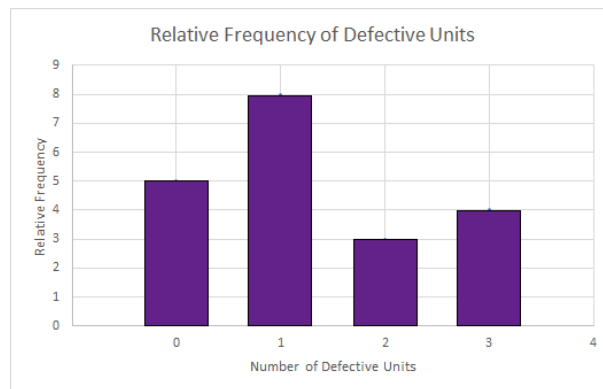
Question 2

1)



Question 3

1)



Section 6.2

Question 2 1) 1.3, 2) 76.75

Question 3 1) 76.5

Question 4 1) 71, 75, 85, and 88 all occur twice (most frequently) so there is no mode

Section 6.3

Question 1 1) 4

Question 2 1) 2.5 2) approximately 3.69

Section 6.4