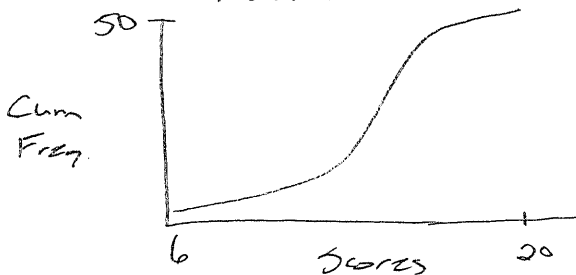


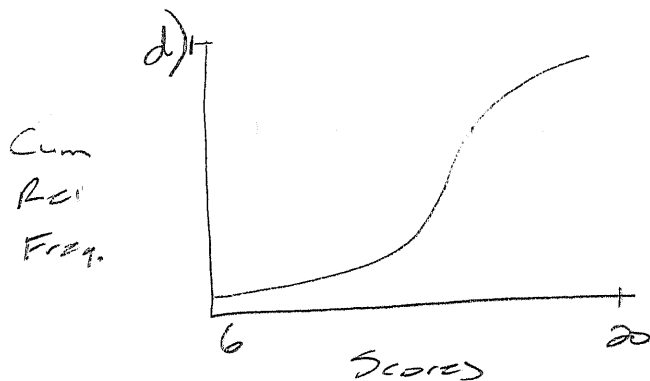
Year	Number of Cases	Total Cases	Relative Frequency	Cum. Rel. Frequency
2003	4	4	$\frac{4}{351} = 0.011$	0.011
2004	46	50	$\frac{46}{351} = 0.131$	0.142
2005	98	148	$\frac{98}{351} = 0.279$	0.421
2006	115	263	$\frac{115}{351} = 0.328$	0.749
2007	88	351	$\frac{88}{351} = 0.251$	1

- ② a) 50 Students
 b) 46 students, Score of 18
 c)

Score (x)	7	9	12	13	14	15	16	17	18	19	20
Freq. (f)	1	2	4	5	8	17	33	42	46	49	50
Rel. Freq.	.02	.04	.08	.10	.16	.34	.66	.84	.92	.98	1



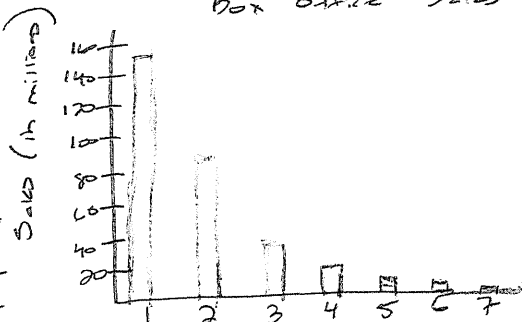
* USED CALC



* Look the same, different y-axis

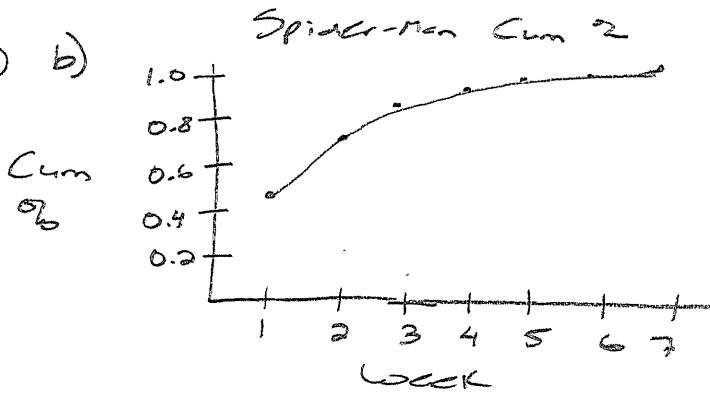
- ③ a) Spider-Man

WEEK	Sales	Rel Freq.
1	\$151,114,516	0.46
2	\$89,120,312	0.27
3	\$42,142,827	0.13
4	\$25,374,128	0.08
5	\$10,587,152	0.03
6	\$7,243,039	0.02
7	\$4,435,988	0.01



Spider Man 3 weeks box office sales

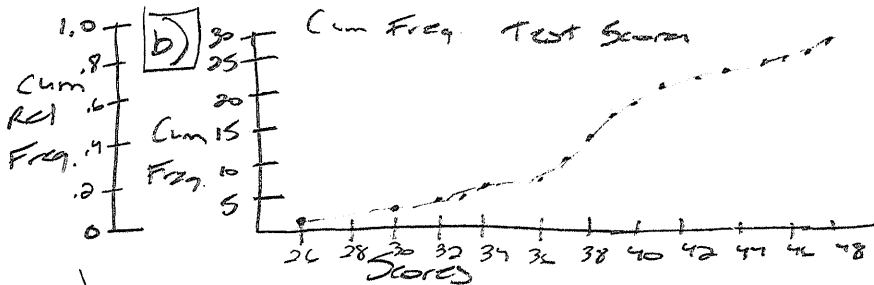
③ b)



Week	Cum Rel Freq.
1	0.46
2	0.73
3	0.86
4	0.94
5	0.97
6	0.99
7	1.0

④ a)

Score	Freq.	Cum Freq.	Rel. Freq.	Cum Rel. Freq.
26	1	1	0.03	0.03
30	2	3	0.07	0.10
32	1	4	0.03	0.13
33	1	5	0.03	0.16
34	2	7	0.07	0.23
36	1	8	0.03	0.26
37	3	11	0.10	0.36
38	3	14	0.10	0.46
39	3	17	0.10	0.56
40	2	19	0.07	0.63
42	2	21	0.07	0.70
43	1	22	0.03	0.73
44	1	23	0.03	0.76
45	2	25	0.07	0.83
46	1	26	0.03	0.86
47	2	28	0.07	0.93
48	2	30	0.07	1.00



⑤ a) False
b) False
c) True

Both graphs look the same, but have different y-axes.

c) min = 26 $Q_1 = 36$ Med = 39 $Q_3 = 44$ max = 48

