Math 113: Laboratory Manual

The following problems will be assigned out of the laboratory manual. They will be collected and a grade taken on them. Do not expect your numerical values to be the same as someone else in the class. You will each get different answers. You may, however, work together in groups on the lab exercises, but each person needs to turn in a complete set of exercises (that is, one copy per person, not one copy per group). The due date for lab exercise is the review day before the exam. Concepts from the lab exercises may be contained on the test. The actual recording of the grade will take place during the exam over that chapter. The grade is based having the work done, not on having the work done correctly (within reason).

Pts	Ch	Problems
_____	2	1, 2, 3, 4, 6, 8, 9, 10, 12. Don't print histograms or boxplots, only view.
_____	3	1, 2, 4, 6, 7, 8, 9, 12, 16, 18, 19, 20
_____	4	10, 11, 12, 13, 14, 15, 16, 17
_____	5	1, 2, 3, 5, 6, 8
_____	6	1, 3, 4, 6, 9, 16, 22, 25, 26, 28
_____	7	3, 7, 9, 11, 13, 17, 19, 20, 21, 22, 24, 26
_____	8	1, 2, 3, 5, 11, 13, 16, 17, 18
_____	9	1, 2, 4, 5, 6, 7, 9*, 10**
_____	10	1, 2, 4, 5, 7, 8, 9, 10
_____	11	1, 2, 4, 6
_____	Total	

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* For problem 9.9, use the following table. It is possible to do this problem with the Statdisk software, but it takes way too much time.

Ind Var	r	equation of reg line	r-sq
Metal	0.6201	y = 1.2474 + 1.1103 x	0.3845
Paper	0.4690	y = 1.6372 + 0.2198 x	0.2200
Plastic	0.7506	y = 1.0802 + 1.3761 x	0.5634
Glass	0.4032	y = 2.7589 + 0.2534 x	0.1626
Food	0.3044	y = 2.8412 + 0.1803 x	0.0927
Yard	0.1464	y = 3.5565 + 0.0980 x	0.0214
Text	0.4609	y = 3.0580 + 0.9370 x	0.2124
Other	0.6404	y = 2.8621 + 0.2769 x	0.4101
Total	0.7587	y = 0.4448 + 0.1190 x	0.5756

** Problem 9.10 asks you to give the probability values, but Statdisk doesn't give those values. We'll use SPSS instead of Statdisk for that.