

## NOTES FOR EXERCISES IN SESSION 3

- 4:14,78; x:4; 4:26,48,75,76,71,107,108,122,123  
(4:9,10,52,56,73,92,115; x:5,6); note recommended order,
- again many extras  $\sim$  specific types of questions.

### Outline of lab session:

- some lecturing: Transformations and Random variables  
(3L–15/16/17):
  - \* including rules for mean and variance,
- individual work on exercises,
- summary worksheet review (3:30pm): S.4:1,3,
- scheduling: lab review session? exam date?

### Notes and questions for specific exercises:

- you won't really need Minitab today (except for 4.10),  
but you can use it as a calculator/graphing tool for some  
problems: 4.9, 4.48, 4.71, 4.75, 4.76, x.5,
- 4.9, x.5: use PSLS *Probability* applet via course web-  
page link; in 4.9, use  $n=15$  instead of  $n=20$ ,
- 4.48: produce also a graph for the distribution,
- 4.76: skip entirely the calculation of stand. deviation,
- 4.107, 4.108, 4.115: problems on conditional probability,
- x.4: postpone part (c) to next week,
- x.6: interesting problem if you haven't seen it before.