

Statistics 31, Section 3, Homework # 10

Due: Thursday, November 2, 2000

5.1, 5.3

5.11, 5.15a,b, 5.17a

Rework, using Binomial model: 4.28, 4.29

5.13, 5.15c,d, 5.17b,c

5.19

B11: In a political poll of 2000, 1010 will vote for A. To decide how “safe” it is to predict A will win,

(a) Calculate  $P\{X \geq 1010\}$ , for  $X \sim \text{Bi}(2000, 0.5)$  (0.327)

(b) Recalculate, assuming 1050 will vote for A (0.0127)

5.21 work with both BINOMDIST and the normal approximation.

5.27, 5.29, 5.33, 5.35, 5.37

6.1, 6.3, 6.5, 6.7