Suggested problems 2

STA 213

These are the solutions only for the odd numbered problems. For the even numbered problems look on DeGroot.

page 186

1. $50\frac{1}{2}$

3. 3.75

7. $\frac{1}{2}$

page 193

1. -4

9. (a) 2 (b) 1

page 205

1. 1

9. $\psi(t) = \exp\{13t^2 + t\}$ for $-\infty < t < +\infty$

page 218

9. Smaller

11. $\frac{245}{81}$

13. (a) 17 (b) 59

page 224

5. 0

page 231

3. $\Pr(X = \mu + 3\sigma) = \frac{1}{18}$, $\Pr(X = \mu - 3\sigma) = \frac{1}{18}$, $\Pr(X = 0) = \frac{8}{9}$