

ST521 Review Session 4, Fall 2009

1. Old homework 1.55
2. Old homework 2.9 (non-unique answers)
3. 2.16

Answer: $E(T) = \frac{a}{\lambda} + \frac{1-a}{\mu}$.

4. 2.32
5. 2.36
6. 2.39
7. Review of Taylor's theorem and Taylor series expansions.

Examples: e^x , $\sin(x)$.

8. Find central moments of $X \sim P(\lambda)$ via $M_x(t)$.