

Ex 5.57 ROSS2014:

Events occur according to a Poisson process with rate $\lambda = 2$ per hour.

- (a) What is the probability that no event occurs between 8 P.M. and 9 P.M.?
- (b) Starting at noon, what is the expected time at which the fourth event occurs?
- (c) What is the probability that two or more events occur between 6 P.M. and 8 P.M.?