Where e is the natural number, and = mean number of occurrences of the event in the interval.

1. Calculate

2. Assume Poisson Probability Distribution with mean B6(u)-4(t)-4(io)7(.(io)7(.(io.)4(e).(ioUs)6(91))-3(m)94iS4

3. The mean number of students come to the Math Lab is 1.25 per minute. Assume this is a Poisson random variable.
   a. Find the probability that no students come into the Math Lab for a given minute.

   b. Find the probability that for a given minute, at most 3 students come to the Math Lab.

   c. Find the probability that for a given minute, at least 2 students come to the Math Lab.

Answers to practice problems:

1. 0.140
2. 0.0887
3. a. 0.287

   b. 0.962

   c. 0.355