## Chapter 2

## Exercise 1

1. For an M/M/1 queue with mean interarrival time 1.25 minutes and mean service time 1 minute, find all five of  $W_q$ , W,  $L_q$ , L, and  $\rho$ . For each, interpret in words. Be sure to state all your units (always!), and the relevant time frame of operation.