

Question 1

1 point possible (graded)

Consider a queue with deterministic service durations (1 second per client). Assume that a new client arrives and that there are 3 clients in front of him or her: 1 client at the server, and 2 clients in the waiting buffer. What will be the service duration of the new client?

☐ 1 second

☐ 4 seconds

☐ 3 seconds

☐ another value

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Question 2

1 point possible (graded)

Which of the following distributions correspond to a classical model of service durations? Select the correct answer(s).

☐ the Gaussian distribution

☐ the exponential distribution

☐ the Poisson distribution

☐ the Poisson process
