

**Fasit til ukeoppgaver med gjennomgang 15. mai****Oppgave 14, Kapittel 6**

$$C = \frac{\lambda \left( 1 + K \left( \frac{\lambda}{\mu} \right)^{K+1} - (K+1) \left( \frac{\lambda}{\mu} \right)^K \right)}{(\mu - \lambda) \left( 1 - \left( \frac{\lambda}{\mu} \right)^{K+1} \right)}$$

**Oppgave 15, Kapittel 6**

a)

$$\pi_i = \frac{\left( \frac{\lambda}{\mu} \right)^i}{i!} e^{-\frac{\lambda}{\mu}}, \quad i = 0, 1, 2, \dots$$

b)

$$C = \frac{\lambda}{\mu}$$

c)

$$W = \frac{1}{\mu}$$