With $Y = \# \text{ of tickets}$, $Y$ has approximately a normal distribution with $\mu = \lambda = 50$, 

$$\sigma = \sqrt{\lambda} = 7.071,$$

so $P(35 \leq Y \leq 70) = P \left( \frac{34.5 - 50}{7.071} \leq Z \leq \frac{70.5 - 50}{7.071} \right) = P(-2.19 \leq Z \leq 2.90) = .9838$

Here $\mu = 250, \sigma^2 = 250, \sigma = 15.811$, so $P(225 \leq Y \leq 275) =$

$$P \left( \frac{224.5 - 250}{15.811} \leq Z \leq \frac{275.5 - 250}{15.811} \right) = P(-1.61 \leq Z \leq 1.61) = .8926$$