Q1. $\sum_{i=1}^{3} \lambda_i = 0.0195$

$R(t) = e^{-0.0195t}$

$R(10) = e^{-0.195} = 0.82283$

Q2. 4 iid Weibull

$\beta = 0.75, \theta = 2000$

$R(t) = e^{-4\left(t/2000\right)^{0.75}}$

$R(150) = e^{-4\left(\frac{150}{2000}\right)^{0.75}}$

$= 0.56368$