1 Calculate and discuss the degree distribution of the resulting network.

The degree distribution, P(k), can be calculated as such

$$P(k) = \int p(\eta) P(k|\eta) d\eta$$

since it depends on the p(eta)'s form, it depends on both preferential attachment and fitness distribution, as eta increases, so does the area of the degree distribution, and p(eta) determines the tail of P(k).