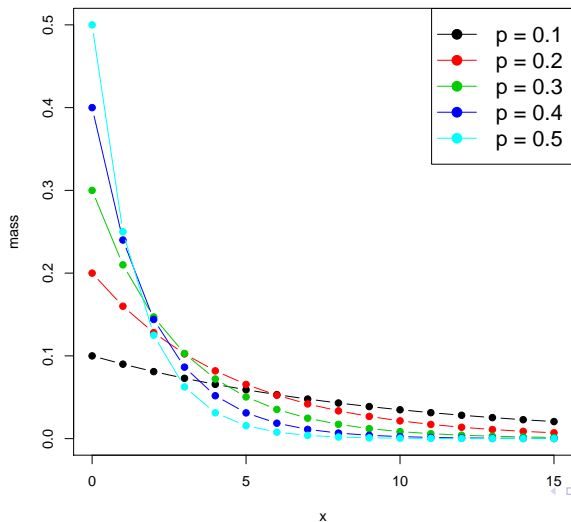
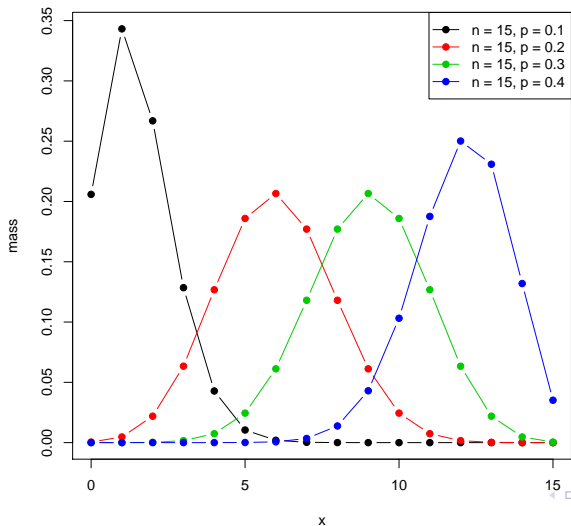


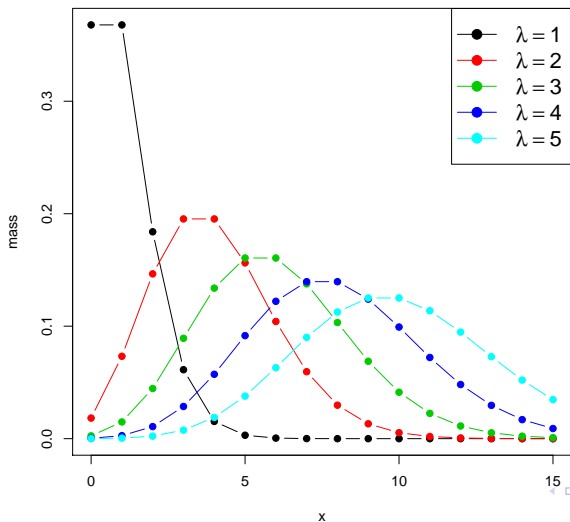
Geometric distribution: $P(X = x) = (1 - p)^x p$



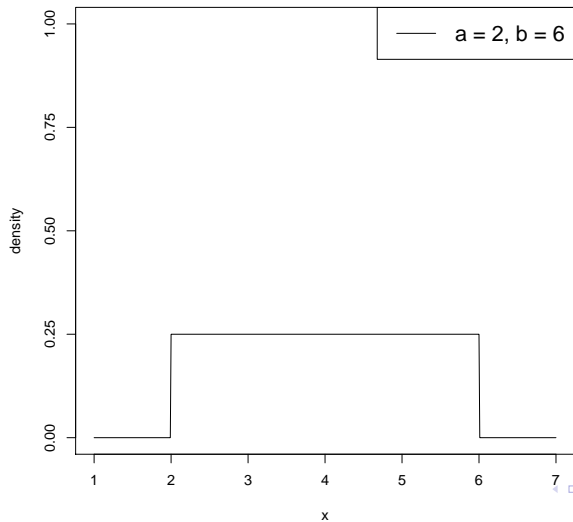
Binomial distribution: $P(X = x) = \binom{n}{x} p^x (1 - p)^{n-x}$



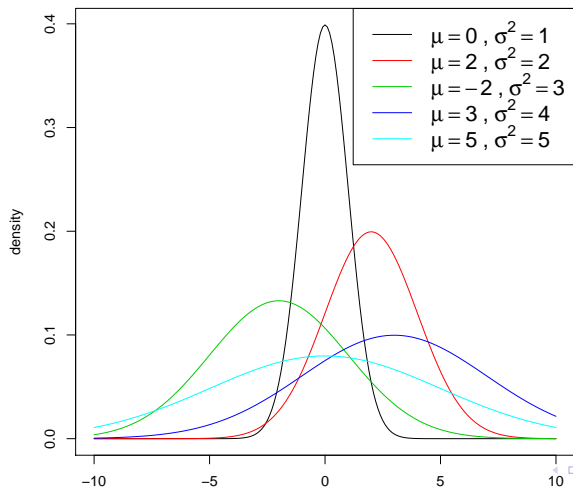
Poisson distribution: $P(X = x) = \frac{\lambda^x}{x!} e^{-\lambda}$



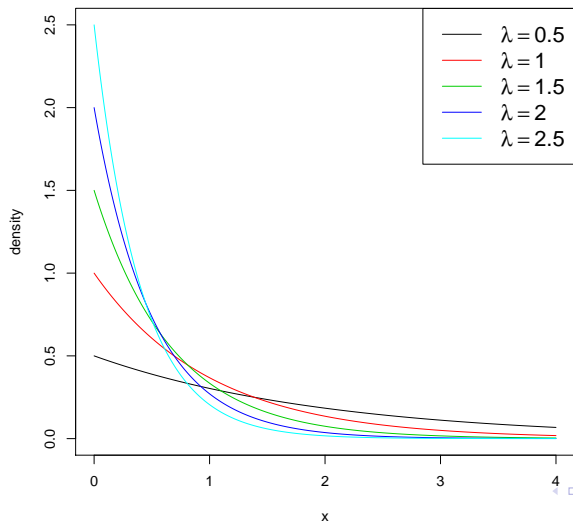
Uniform distribution: $f(x) = \frac{1}{b-a}$



Normal distribution: $f(x) = \frac{1}{\sigma\sqrt{2\pi}} \exp \left\{ -\frac{1}{2\sigma^2} (x - \mu)^2 \right\}$



Exponential distribution: $f(x) = \lambda e^{-\lambda x}$



Gamma distribution: $f(x) = \frac{1}{\theta^k \Gamma(k)} x^{k-1} \exp(-x/\theta)$

