Population
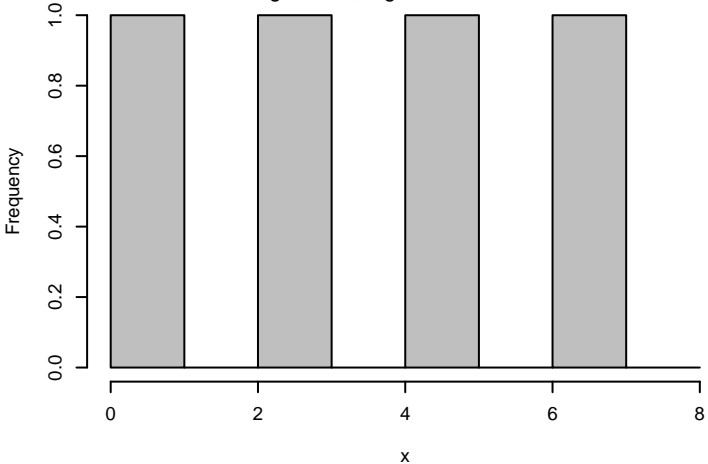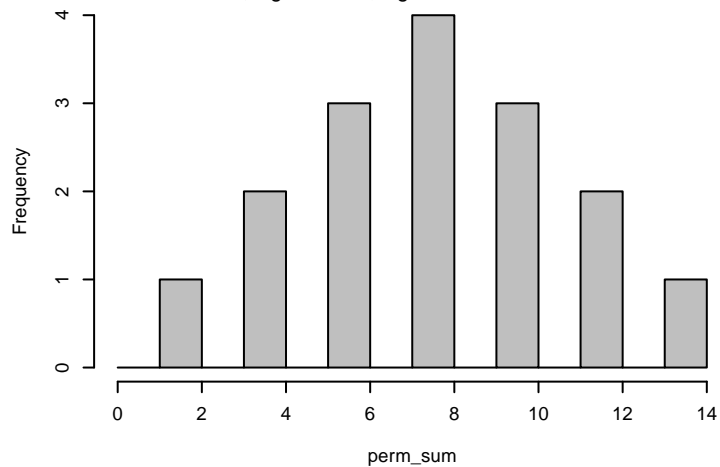mu=4; sigma^2=5; sigma=2.23606797749979

Sampling distribution of sums
mu=8; sigma^2=10; sigma=3.16227766016838

Sampling distribution of means
mu=4; sigma^2=2.5; sigma=1.58113883008419