Posterior using Beta(0,0) Prior
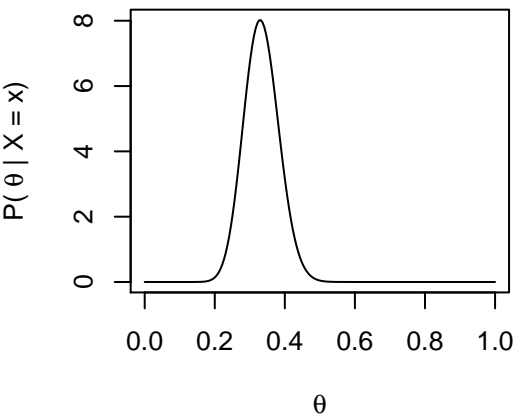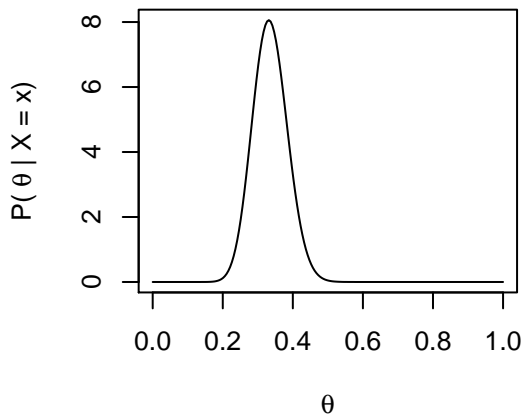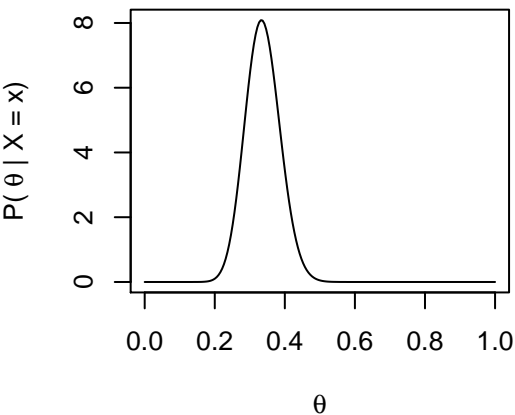
Posterior using Beta(.5,.5) Prior

Posterior using Beta(1,1) Prior

Posterior using Beta(2,2) Prior