Figure 1: uniform random numbers between[0, 1]
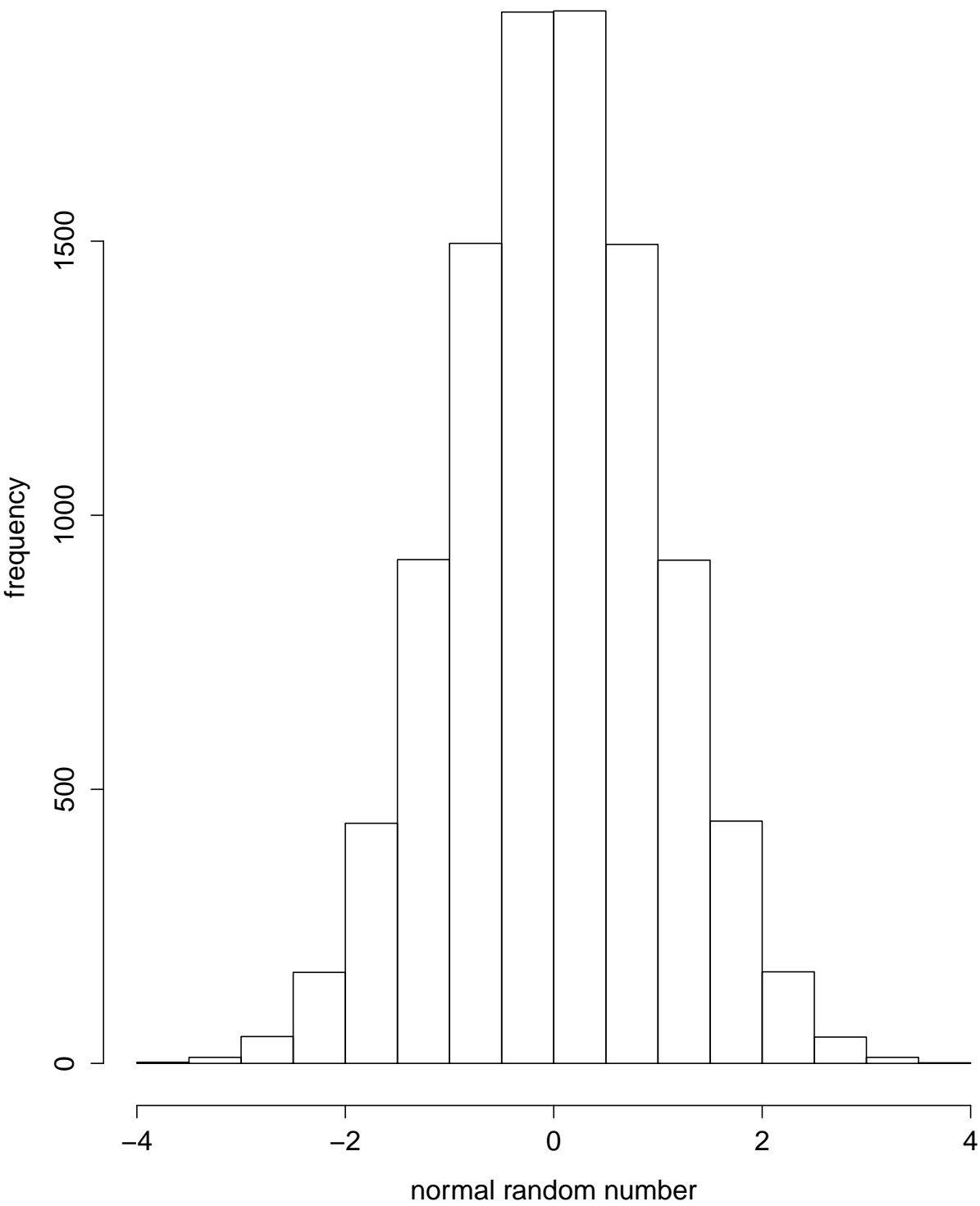
Figure 2: standard normal random numbers
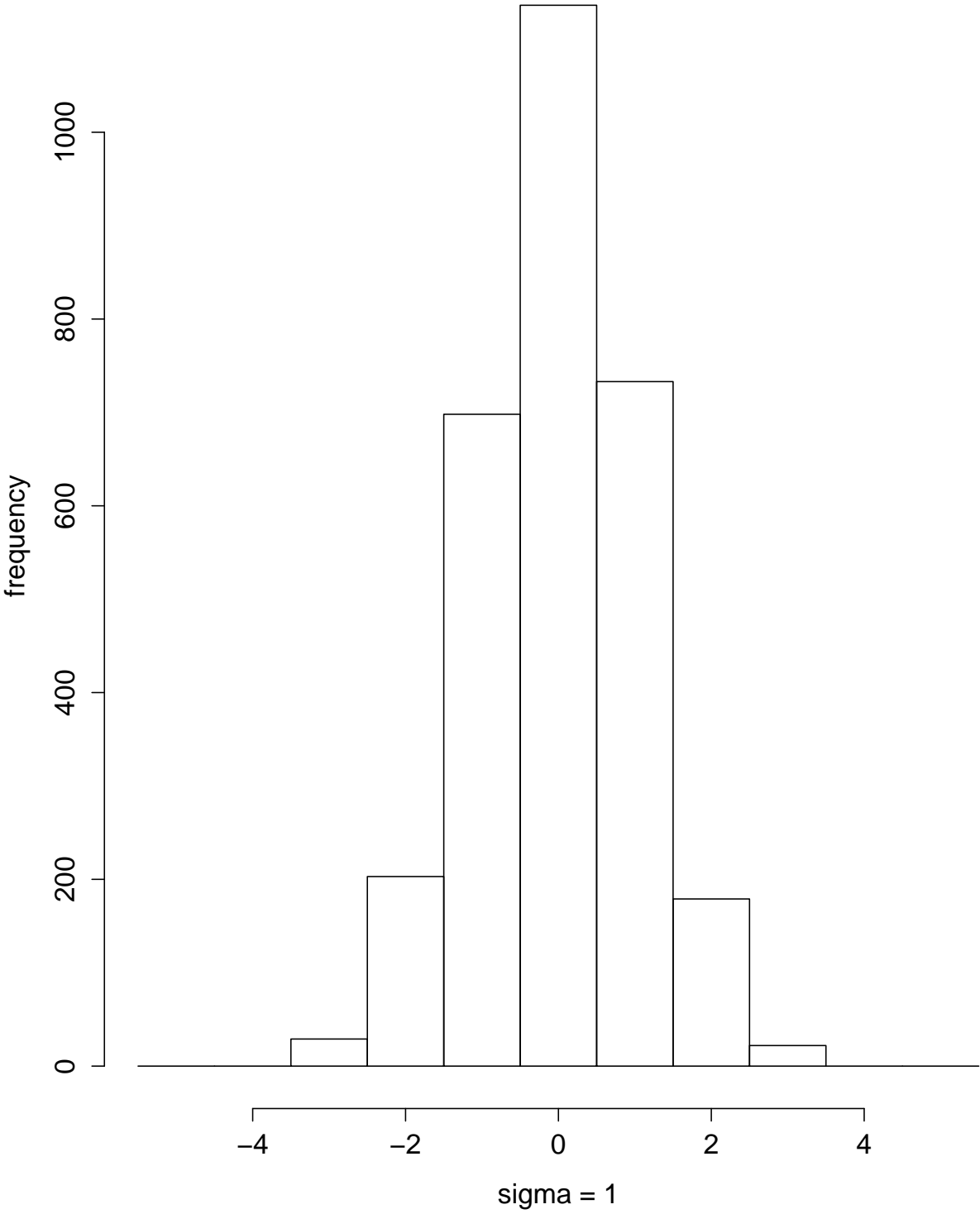
Figure 3: metropolis method with σ 1
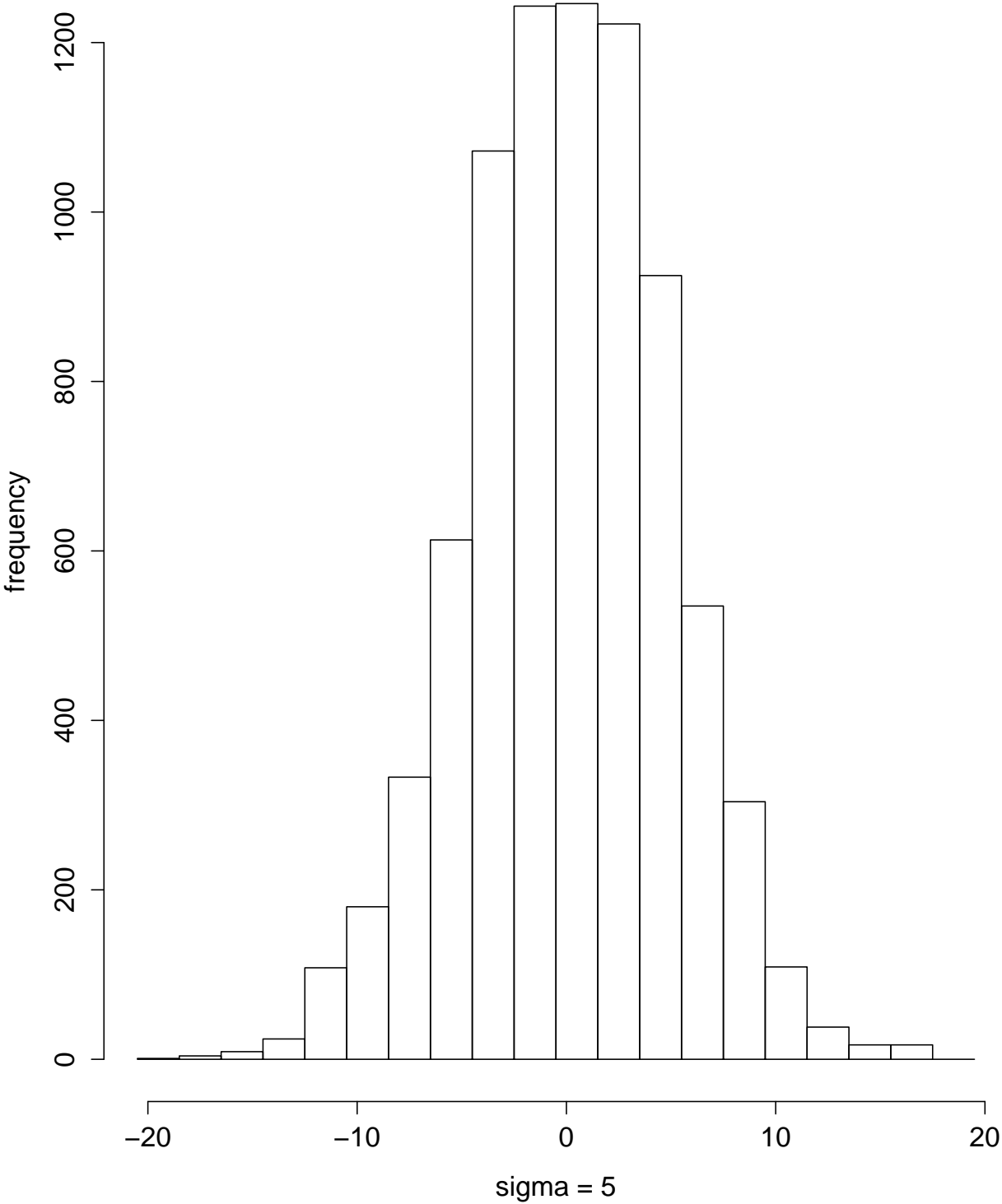
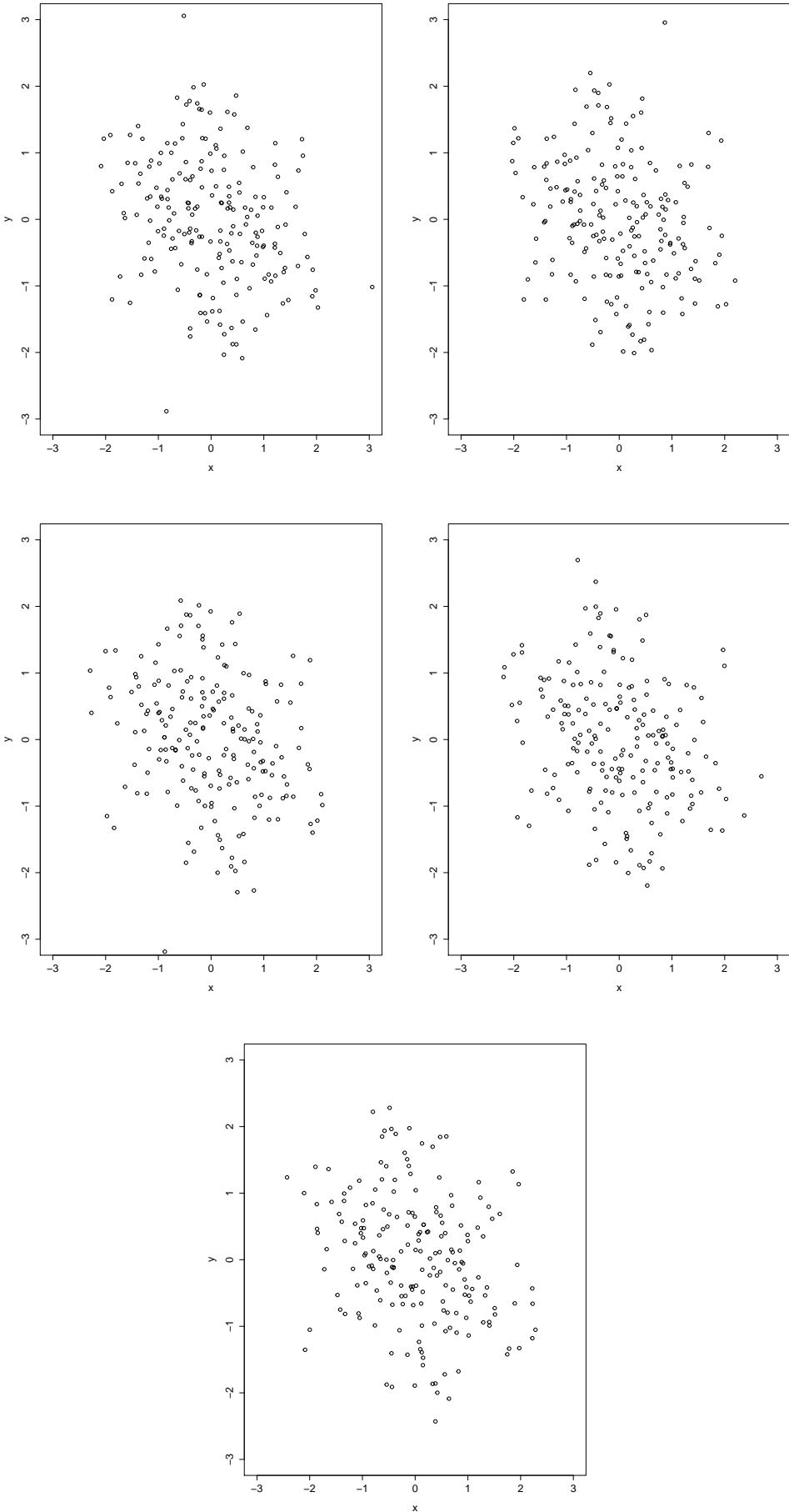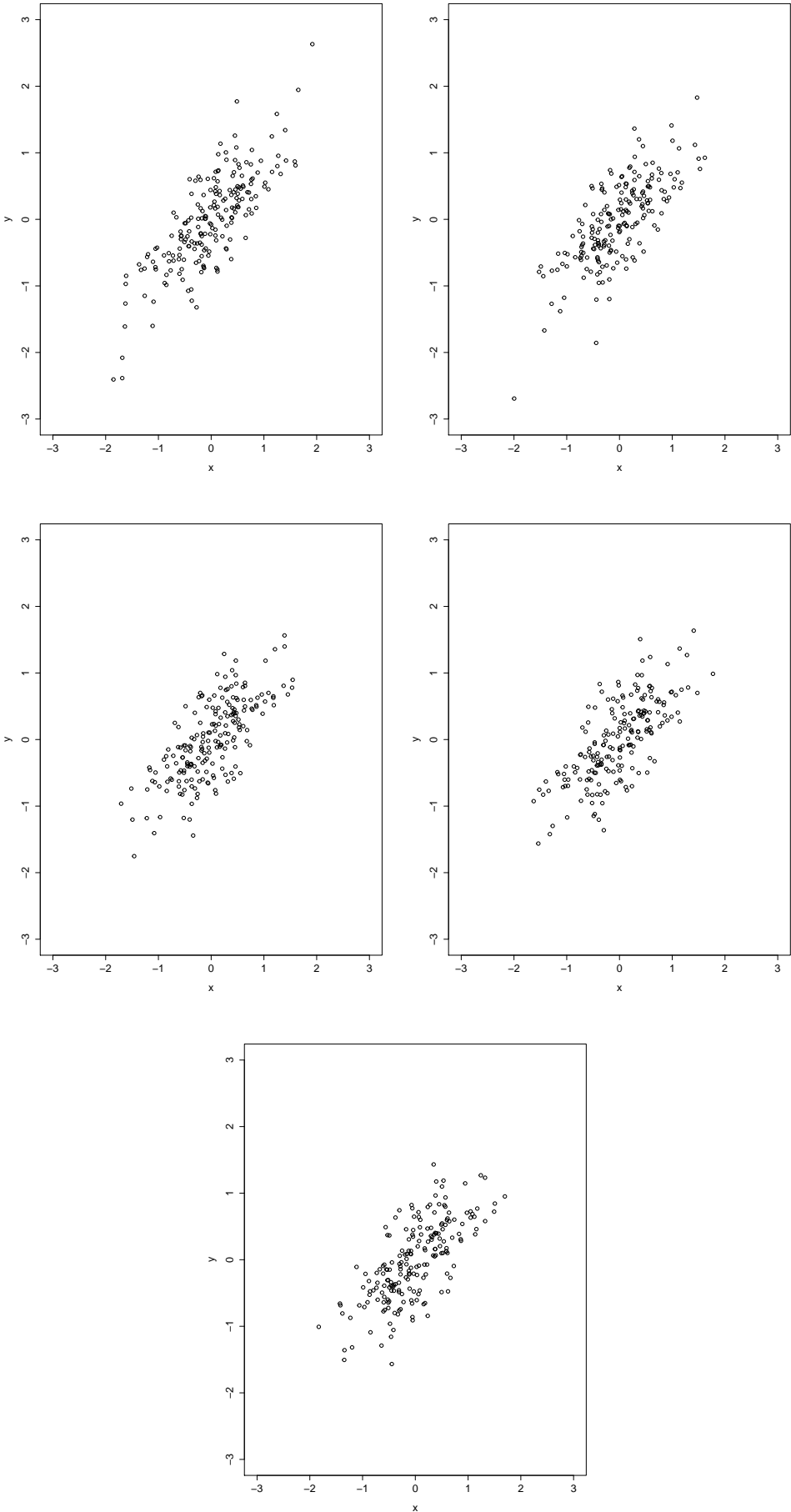Figure 4: metropolis method with σ 5

Figure 5: gibbs method with correlation 0.0

Figure 6: gibbs method with correlation 0.9