Homework

1. What are the steps to the Monte Carlo Algorithm?
2. Name one pro and one con for the Monte Carlo Algorithm.
3. What are the steps to the Metropolis-Hastings Algorithm?
4. What's the difference between the Monte Carlo and Metropolis-Hastings algorithms?
5. What's the difference between the Metropolis and Metropolis-Hastings algorithms?
6. Identify whether the below statements about independence sampling are True or False. If False, explain.
   - 6.1 The proposal model depends on the current value of the chain.
   - 6.2 The proposal model is the same every time.
   - 6.3 It is a special case of the Metropolis-Hastings algorithm.
   - 6.4 It is a special case of Metropolis algorithm.