**7C One-Tailed Tests**

1. A single observation, , is taken from a Binomial distribution and a value of 8 is obtained. Use this observation to test against using a 5% significance level.
2. The standard treatment for a particular disease has a probability of success. A certain doctor has undertaken research in this area and has produced a new drug which has been successful with 10 out of 20 patients. The doctor claims that the new drug represents an improvement on the standard treatment. Test, at the 5% significance level, the claim made by the doctor.