

18. In 1,000 tosses of a coin, 560 heads and 440 tails occur. Is it reasonable to assume the coin is fair?
- (a) What are the null and alternative hypotheses?
 - (b) If the null is true, what is the probability of getting 560 heads in 1,000 tosses?
 - (c) Based on this probability, is it reasonable to assume the coin is fair?