

STA 110

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Fall 1995 **Name:** \_\_\_\_\_

## Quiz 2 (ver 2)

**Sherwood Story.** Robin Hood hits the target with the probability 0.8 while the Sheriff of Nottingham hits the target with the probability 0.6. They shoot 2 arrows each and all shots are independent of each other.

(a) What event is more likely:

**A:** Sheriff hits the target at most once; or **B:** Robin hits the target at least once. Explain.

(b) They shoot in the following order: **R S R S**. What is the probability that the Sheriff scores before Robin?