

ECE 302 Quiz 2
(10 points)

Name: _____ (3 points)

06/23/2016

1. Four students each flip a coin continually until the event A , defined as

$$A = \{\text{a majority of the students flip heads}\},$$

occurs for the first time. Assume that all flips are fair and independent. Find the probability that the event A occurs for the first time on their 5th trial. Show all work. (7 points)