

# Exercise sheet 3

Probability and Statistics, MTH102

1. If a pair of dice is rolled and we know that the numbers on it are different, what is the probability that one of them is a 4?
2. Suppose 90% of all the students who attend the lectures regularly pass a certain course. While, only 30% of students who do not attend the lectures regularly pass the course. If I know that a student passed the course, what is the probability that that student attended regularly? Assume that half the students attended the course regularly.