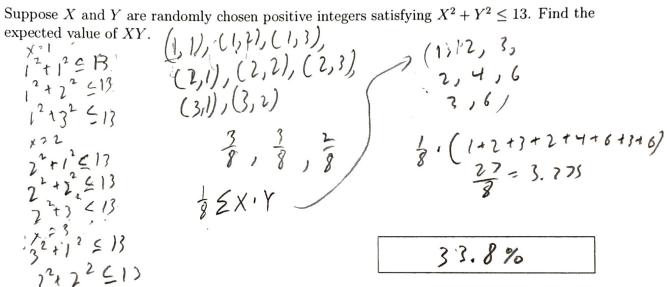
## Homework 8 – due Monday 11/4

## Adam A. Allan

## Name (first & last): frajnyjant Ghimill

Directions: Submit your solutions in pdf format to the myCourses website under the Homework submodule. Please write answers in boxes and express all probabilities as percentages that are rounded to the nearest tenth of a percentage. So probability 0.1 should be entered as 10.0%.

1. Suppose X and Y are randomly chosen positive integers satisfying  $X^2 + Y^2 \le 13$ . Find the



2. Suppose a point (X,Y) chosen at random from the square defined by  $0 \le x,y \le L$ . Find the expected value of the product XY.