ECE 302 Quiz 4
(10 points)

Name: _____ (3 points)   07/15/2016

1. A student rolls two fair dice. Let the random variables X and Y denote the value of the first and second roll, respectively. Assume the rolls are independent. **Show all work.**

   (a) (3 points) Find $p_{X,Y}(x_i, y_j)$. Indicate the values of x_i and y_j.

   (b) (2 points) Find $\mathbb{E}[XY]$.

   (c) (2 points) Find $\mathbb{E}[X/Y]$.