

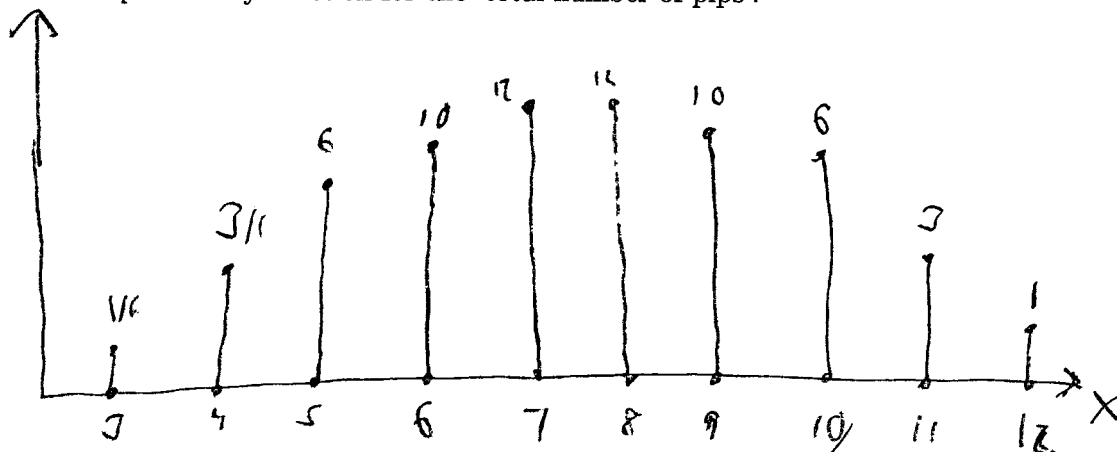
Math 481 Attendance QUIZ for Lecture 3

NAME: (print!) Ashish Manavarthe

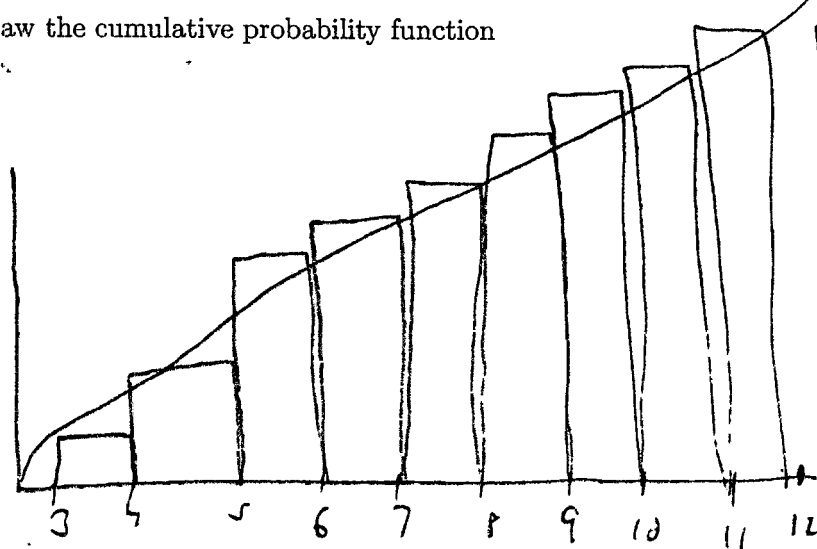
E-MAIL ADDRESS: (print!) am3572@scarletmail.sugetu.edu

1. You throw three four-sided fair dice, each with faces labeled with one, two, three, and four pips.

a. Draw the probability function for the 'total number of pips'.



b. Draw the cumulative probability function



X	f(X)	F(X)
3	1/64	1/64
4	3/64	4/64
5	6/64	10/64
6	10/64	20/64
7	12/64	32/64
8	12/64	44/64
9	10/64	54/64
10	6/64	64/64
11	3/64	64/64
12	1/64	64/64

X	set	
3	(1,1,1)	1
4	(1,1,2)	3
5	(1,2,2), (1,1,3)	6
6	(1,1,4), (1,2,3), (2,2,2)	10
7	(1,2,4), (1,3,3), (2,2,3)	12
8	(1,3,4), (2,2,4), (2,3,3)	12
9	(1,4,4), (2,3,4), (3,3,3)	10
10	(2,4,4), (3,3,4)	6
11	(3,4,4)	3
12	(4,4,4)	1

$$4 \times 4 \times 4 = 64 \text{ possible comb.}$$