CDF Random Variable

What does CDF stand for?

Given the table of the pmf for a random variable. Fill the table

Х	1	2	3	4	5
f(x)	.2	.25	.15	.22	.18
F(x)					

Х	F(x)	
1	0.1002	a.
2	0.1268	
3	0.6468	b.
4	0.7598	
5	0.7717	
6	0.9001	f.
7	0.9239	
8	0.9496	
9	0.9743	C.
10	0.9880	
11	0.9905	a
12	1.000	g.

P(X = 4)

P(X < 9)

P (X ≥ 13)

 $P(X \le 3)$

h. P $(7 \le X \le 11)$

g. P $(8 \le X < 12)$

I. P (10 < X)

P (5 < X < 9)

The CDF of a random variable is given below.

Х	1	2	3,	4	5	6	7	8
<i>F</i> (<i>x</i>)	.08	.15	.26	.43	.78	.82	.88	1.00

a) P(X < 5) b) $P(X \le 3)$ c) $P(6 \le X)$ Determine

d) $P(2 \le X)$ e) $P(3 \le X < 7)$ f) $P(3 < X \le 7)$ g) $P(X \le 4.5)$

20. Determine the value(s) of c that makes the table below a CDF.

Χ	1	2	3	4	5	6	7	8
F(x)	.2	.25	.45	.55	С	.87	.95	1.00

21. Determine the value(s) of c that makes the table below a CDF.

Х	1	2	3	4	5	6	7	8
F(x)	.1	.25	.46	С	.71	.72	.86	1.00