Discrete Conditional Supplementary information

1. X is a discrete random variable whose probabilities are given in the table below:

x	1	2	3	4	5	6	7	8	9	10
P(X=x)	0.01	0.02	0.03	0.04	0.1	0.2	0.3	0.2	0.08	0.02

A is the event $X > 1$

B is the event $X > 4$

C is the event $X < 7$

D is the event $X < 10$

2. The continuous random variable Y has probability density function defined by: $f(y) = 0.1 \quad 1 \leq y \leq 11$

$f(y) = 0 \quad$ elsewhere

E is the event $Y > 3$

F is the event $Y < 8$

G is the event $Y > 7$

H is the event $Y < 8.5$