7. A box has 10 marbles: 4 red; 6 clear. You randomly take out marbles **without replacement.**

a) If you take out one, find P(red).

b) If you take out four, find P(exactly one red).

c) If you take out four, find P(at least one is red).

d)

d) Find conditional probability that the first is red, if the second was red.

8. a) Fill in the following probability table:

x	-1	1	3	5
P(X=x)	.3	.4	.2	

b) Find the mean/expected value.

c) Find the standard deviation.