Question 2

favorable word for net = 25, thre = 10-x

Sample space =  $\{(0,10), (1,9), (2,8),..., (10,0)\}$ 

Porobably (net=x, live=y) for XEW, y EW

= (40Cx 60 cro

otherwse

I have not cut marks if you have not mentioned that x,y belongs to W (or that you have accidentally mentioned that they belong to Z but not mentioned that x>=0)

because then some will argue that writing 40Cx implies x is a non-negative integer, and some of you have written sentences like "picking x balls" implying x can only be non-negative.

In any case you MUST write x, y \in W for complete clarity.

But I have cut marks if you have not written that x+y=10