Ground Rules: Time allowed is 15 minutes, individual work only and closed book test.

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Your name _	Dolution	

Score:

1. Suppose a population of size 100 contains 30 Green people and 70 Blue people. A sample of size 20 is taken. Find the probability that $g, 1 \le g \le 20$, Green people are selected in the sample, assuming the sampling to be without replacement

Sample spal S = sollection of all 20 element subsets of a loo element set

7 - all subsch of S) - event space

P: 7 -> Coil)

 $P(E) = \frac{|E|}{|S|} = \frac{|E|}{|\infty|_{20}} E$

let A= 1 g - Green people au choxen in Sample }

1A1 = 30cg 70c 20-9

P(A) = 3063 70620-9

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