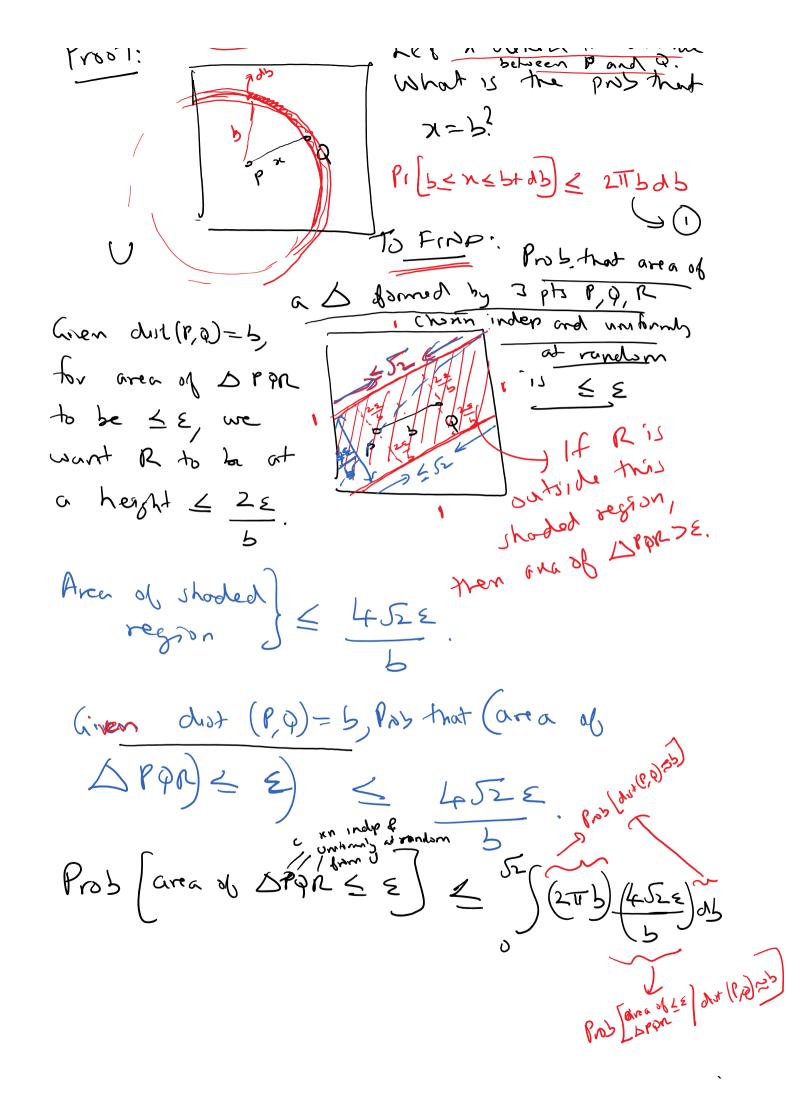
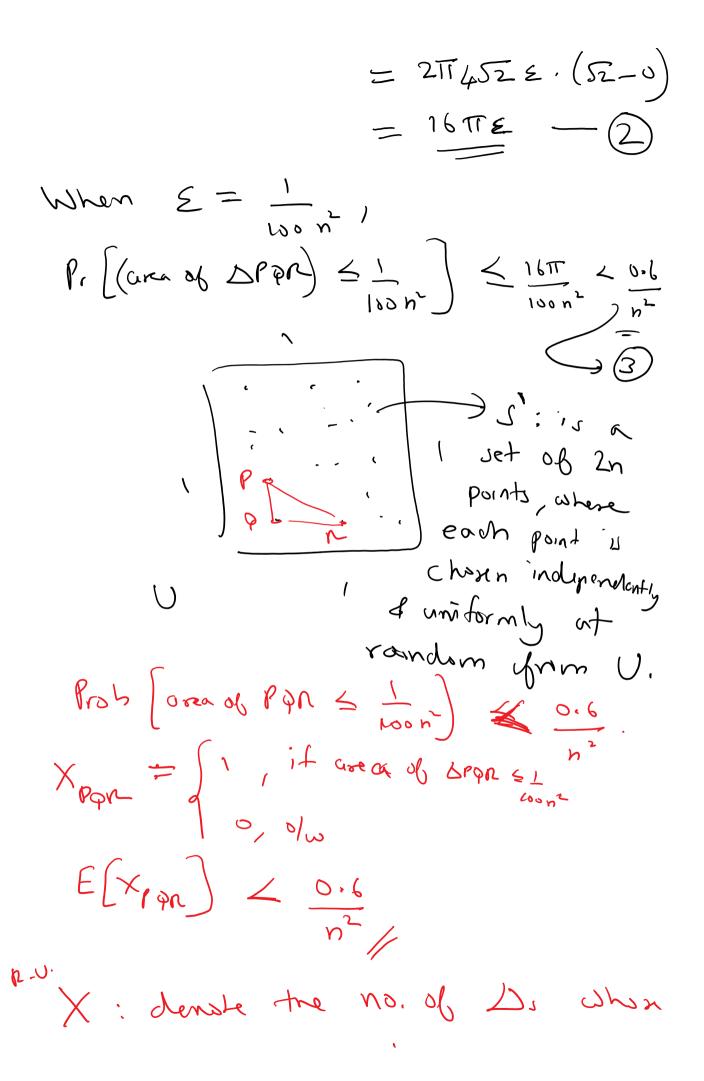
Alteration contd Page 1





ara  $\leq \frac{1}{\log n^2}$ X = { X } X por P.gr are distrot By Lineary of Expectation,  $E(x) = \sum_{p,p,r \in S'} E(x_{ppr})$ P goz are dutact  $\angle \left(\frac{2n}{3}\right) = \frac{0.6}{100n^2}$ That is, there is a way of of chaoning In points in U Jush their are less than n tinonges (formed by any 3 of these points) whom orea is  $\leq \frac{1}{180n^2}$ 

Each such bod & (means)

Duhn area < ion

be killed by removing any one

of ists 3 endpoints.

Let I he the point set that you get from I'by demoing one point corresponding to each bod triangle.

What do we have! We has S which is a set of at least N points in U sum that  $T(s) \ge \frac{1}{100 \, \text{n}^2}$ .

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