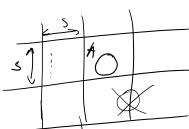
Continuous prohability is analysis





Prob (con is entirely in one square)

· center ~ square A

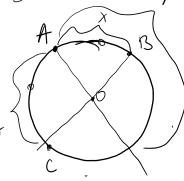


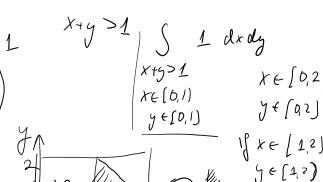


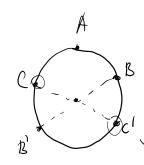
(ntegrals)

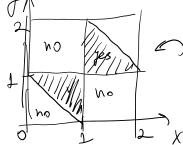
$$\int \frac{smx}{81 \times 1000} dx = ?$$

- piece 3 ponts







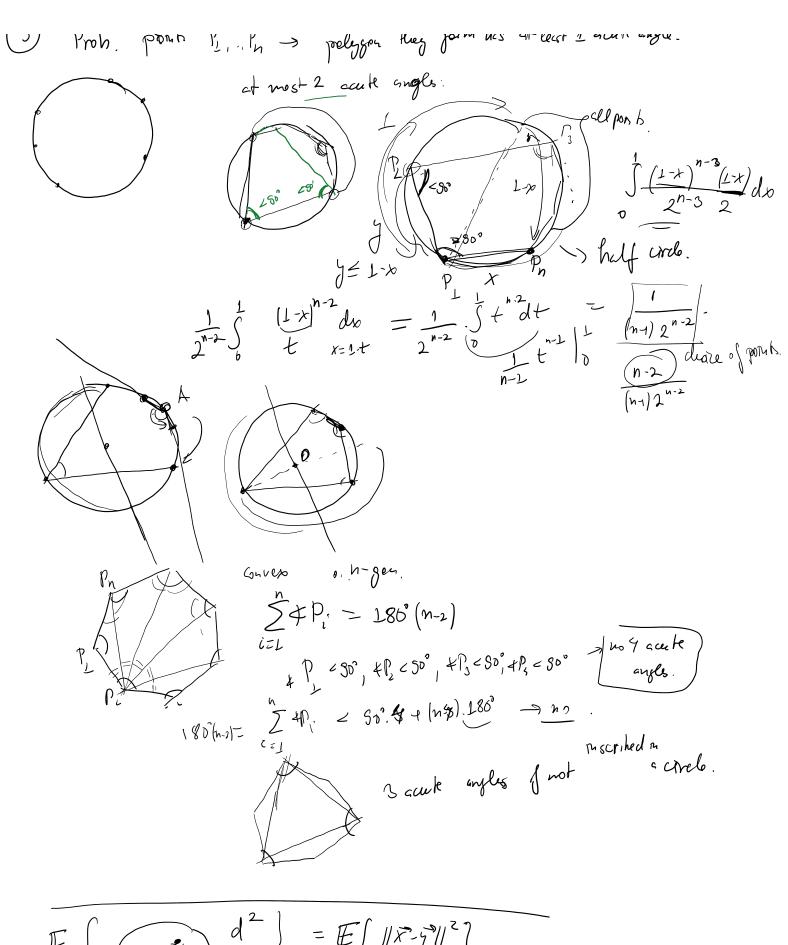


meyrak over & 222

 $\chi \in [0,2]$

y + [0,2]

Prob. pont P. Ph > poelson they form his at least 1 acute engle.



 $\mathbb{E}\left[\left||\vec{x}-\vec{y}||^{2}\right]\right] = \mathbb{E}\left[\left||\vec{x}-\vec{y}||^{2}\right]$ $= \mathbb{E}\left[\left||\vec{x}-\vec{y}||^{2}\right]\right]$ $= \mathbb{E}\left[\left||\vec{x}-\vec{y}||^{2}\right]\right]$ $= 2\|\vec{x}\|^{2} + 2\|\vec{y}\|^{2} = 9$

$$||x-y||^{2} + (||x-y||^{2})^{2} = 2||x||^{2}+2||y||^{2} = 9$$

$$||x-y||^{2} + ||x+y||^{2} = 9$$

$$T_{1} = \int \frac{\sin x}{\sin x + \cos x} dx = ?$$

$$T_{1} = \int \frac{\cos x}{\sin x + \cos x} dx$$

$$T_{2} - T_{1} = \int \frac{(\cos x - \sin x)}{\sin x + \cos x} dx$$

$$d \sin x = -\sin x dx$$

$$d \sin x = -\sin x dx$$

$$d \sin x + \cos x = -\sin x dx$$

$$\int \frac{d(\sin x + \cos x)}{\sin x + \cos x} = \int \frac{dt}{t} = \int \frac{dt}{t} + \int \frac{dt}{t} = \int \frac{dt}{t} + \int \frac{dt}{t} = \int \frac{dt}{t} + \int \frac{dt}{t} + \int \frac{dt}{t} = \int \frac{dt}{t} + \int$$

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