







## Group 2 - Melina

Please write an outline of the main contents of the lecture.

- def of function integral 
  - interval  $[a, b]$  continuous
  - = area below  $f(x)$  
- theorem of calculus 
$$\frac{d}{dx} \int_a^x f(t) dt = f(x)$$
 
- link between derivative of antiderivative  $F$  and integration of  $f$  
- Use 





5/14 Melina

Group 2


Summary / Search.


C	A	B
K	5	1


Please write an outline of the main contents of the lecture.

- Def of uniform distribution 
- Explanation of PDF 
- Explanation of CDF 
- Explanation of MGF 

Please write an outline of the main contents of the lecture.

Proving formula  $\sin^2 x + \cos^2 x = 1$  

- Euler formula 


~~Demonstration~~ <sup>Proof</sup> of other trigo formula -  $\begin{cases} \cos(a+b) \\ \sin(a+b) \end{cases}$  

- Euler formula with  $a$ .

- Product

- Sum

- How to go from exp to angles.

- Special cases 

-  $\cos(2x)$

-  $\sin(2x)$