

## Presentation (20%)

1. Discuss how to find integrals of the form

$$\int \sin^m x \cos^n x dx,$$

and give one example for each cases.

2. Discuss how to find integrals of the form

$$\int \tan^m x \sec^n x dx,$$

and give one example for each cases.

3. Discuss how to find integrals of the form

$$\int \sin ax \cos bx dx,$$

and give two examples.