

Subject n°32

Please, don't write on the exam paper.

1. Among the graphs labelled C_1 , C_2 and C_3 , it is possible to choose two of them, one representing a function f and another representing its derivative f' . Find these two graphs and justify your choice.
2. Actually, the three graphs represent a function called g , its derivative g' and one of its antiderivative named G .

Note: *Antiderivative* is synonymous with *primitive*.

- a) Decide which graph represents G and justify your answer.
- b) A student chooses at random two graphs. What is the probability of his choosing a function and its derivative?

