

Consider the function $f(x) = x^2 - 2x - 8$ and its graph F.	
1. Find the coordinates of the turning point of F.	2 marks
2. Write the equation of the tangent to F at $x = 2$ .	4 marks
3. Find the coordinates of the intersection point of F with the line $y = -x - 2$ .	4 marks

## Exercise 4

Calc. : 🗡

The figure on the right represents the graph of a derivate function f'.

Choose among the graphs below the one(s) that could represent the function f.

You must justify your answer carefuly, otherwise no points will be awarded.



Graph 1



Graph 3



