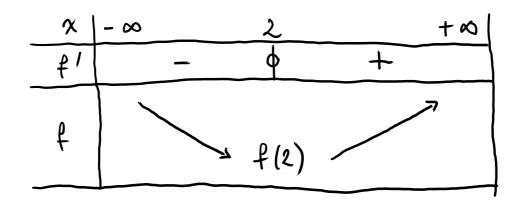
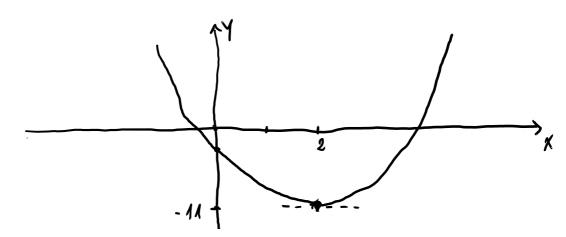
1)
$$f(x) = 2x^2 - 8x - 3$$
 $I = \mathbb{R}$
Calcul de la fonction dorivée
 $f'(x) = 2x 2x - 8 + 0 = 4x - 8$

Étude de signe de f'

Tableau de variations:



$$f(2) = 2 \times 2^2 - 8 \times 2 - 3 = 8 - 16 - 3 = -11$$



La fonction admet un minimum en x=2. Le minimum de f est -11 attent en x=2.