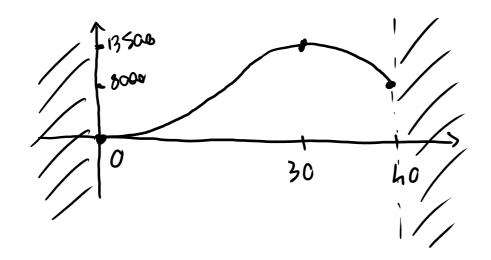
b) 
$$f(x) = 45x^2 - x^3$$
  $I = [0; 40]$   
 $f'(x) = 90x - 3x^2 = -3x^2 + 90x$   
Signe de  $f': -3x^2 + 90x = -3x(x - 30)$   
 $-3x > 0 \Leftarrow x < 0$   
 $x - 30 > 0 \Leftarrow x > 30$ 

×	0		30		40	
-3x	//0		•			
×-30	//	_	•	+		
F/	<b>/</b>	+	0	_		
0		P	P130).			
f	P10)			> f (40)		



ext un min en x=0 13500 ext un max en x=30