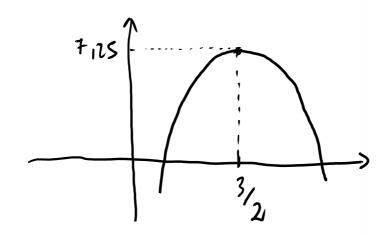
2)
$$f(x) = -x^2 + 3x + 5$$
 $I = \mathbb{R}$
 $f'(x) = -2x + 3$

Signe de
$$\ell'$$
: $-2x+3>0 => -2x>-3 => x < \frac{3}{2}$

Tableau de Variations:

*	- 00	3/2	+ 00
f'	+	ф	_
f	7	f13/2)	\ <u>\</u>

$$f(\frac{3}{2}) = -(\frac{3}{2})^2 + 3 \times \frac{3}{2} + 5 = 7,25$$



7,25 est le maximum, attaint pour
$$x=\frac{3}{2}$$
.