

Tableau de variation de  $f(x)$

$f(x) = x^2 + 9x$   
 $f'(x) = 2x + 9$

|                        |       |  |       |
|------------------------|-------|--|-------|
| $x$                    | $-10$ | $-\frac{9}{2}$   | $10$  |
| $f'(x)$                | $-$   | $\begin{matrix} \vdots \\ 0 \\ \vdots \end{matrix}$                  | $+$   |
| variation<br>de $f(x)$ | $10$  | $\begin{matrix} \nearrow & \searrow \\ & -\frac{81}{4} \end{matrix}$ | $190$ |