DERIVATE SEMPLICI

- $D(k) = 0 \qquad k \in \mathbb{R} \qquad f(x) = k$
- $D(x) = 1$
- $D(x^n) = n x^{n-1}$
- $D(\operatorname{sen} x) = \cos x$
- $D(\cos x) = -\operatorname{sen} x$
- $D(\log_a x) = \frac{1}{x} \log_a e$
- $D(a^x) = a^x \ln a$

$$\lim_{h \to 0} \frac{f(x+h) - f(x)}{h} =$$

$$= \lim_{h \to 0} \frac{k - k}{h} = 0$$