$f(x)=k\cdot u(x) \quad k\in R$	$f'(x)=k\cdot u'(x)$
$f(x)=3\ln x$	$f'(x)=3\cdot(\ln x)'=3\cdot\frac{1}{x}$
$f(x)=5\sqrt{x}$	$f'(x)=5.(\sqrt{x})'=5\cdot\frac{1}{2\sqrt{x}}=\frac{5}{2\sqrt{x}}$
$f(x)=(u(x))^n$	$f'(x)=n(u(x))^{n-1}\cdot u'(x)$
$f(x)=(2x+1)^5$	$f'(x)=5(2x+1)^{5-1}\cdot(2x+1)'=5(2x+1)^4\cdot 2=10(2x+1)^4$
$f(x)=(x-x^3)^2$	$f'(x)=2(x-x^3)^{2-1}(x-x^3)'=2(x-x^3)(1-3x^2)$
$f(x)=\sqrt[3]{x^2+1}$ Podem posar $f(x)=(x^2+1)^{1/3}$	$f'(x)=\frac{1}{3}\cdot\left(x^2+1\right)^{\frac{1}{3}-1}\cdot(x^2+1)'=\frac{1}{3}\cdot\left(x^2+1\right)^{-2/3}\cdot 2x=\frac{2x}{3(x^2+1)^{2/3}}=\frac{2x}{3\sqrt[3]{(x^2+1)^2}}$
$f(x)=\sqrt{u(x)}$	$f'(x)=\frac{1}{2\sqrt{u(x)}}\cdot u'(x)=\frac{u'(x)}{2\sqrt{u(x)}}$ **Atenció**: aquesta fórmula es pot aplicar únicament en **arrels quadrades**
$f(x)=\sqrt{1-x^5}$	$f'(x)=\frac{(1-x^5)'}{2\sqrt{1-x^5}}=\frac{-5x^4}{2\sqrt{1-x^5}}$
$f(x)=e^{u(x)}$	$f'(x)=e^{u(x)}\cdot u'(x)$
$f(x)=e^{2x}$	$f'(x)=e^{2x}(2x)'=e^{2x}\cdot 2$
$f(x)=\ln u(x)$	$f'(x)=\frac{1}{u(x)}\cdot u'(x)=\frac{u'(x)}{u(x)}$
$f(x)=\ln(x^2-3x)$	$f'(x)=\frac{(x^2-3x)'}{(x^2-3x)}=\frac{2x-3}{(x^2-3x)}$
$f(x)=\ln\sqrt{x}$	$f'(x)=\frac{1}{\sqrt{x}}\cdot(\sqrt{x})'=\frac{1}{\sqrt{x}}\cdot\frac{1}{2\sqrt{x}}=\frac{1}{2\left(\sqrt{x}\right)^2}=\frac{1}{2x}$