

$\left[\begin{array}{l} \textcolor{red}{>} f := x \mapsto \text{sqrt}(x^2 + y) \end{array} \right.$	$f := x \mapsto \sqrt{x^2 + y}$	(1)
$\left[\begin{array}{l} \textcolor{red}{>} \text{diff}(f(x), x) \end{array} \right.$	$\frac{x}{\sqrt{x^2 + y}}$	(2)
$\left[\begin{array}{l} \textcolor{red}{>} \text{diff}(f(x), y) \end{array} \right.$	$\frac{1}{2 \sqrt{x^2 + y}}$	(3)
$\left[\begin{array}{l} \textcolor{red}{>} \text{diff}(\text{diff}(f(x), x), x) \end{array} \right.$	$-\frac{x^2}{(x^2 + y)^{3/2}} + \frac{1}{\sqrt{x^2 + y}}$	(4)
$\left[\begin{array}{l} \textcolor{red}{>} \text{diff}(\text{diff}(f(x), y), y) \end{array} \right.$	$-\frac{1}{4 (x^2 + y)^{3/2}}$	(5)
$\left[\begin{array}{l} \textcolor{red}{>} \end{array} \right.$		