



1 Exercícios

1. (a) $\underline{(V)}[\underline{V}] \lim_{\rho=0} Q_{\rho}(f)(x) = f'(x)$
- (b) $\underline{(V)}[\underline{V}] \lim_{\rho=0} \Delta_{\rho}(f)(x) = 0$
- (c) $\underline{(V)}[\underline{V}]$
- (d) $\underline{(V)}[\underline{V}] \lim_{\rho=0} \Delta_{\rho}(\sin)(x) = 0$
- (e) $\underline{(V)}[\underline{V}] \lim_{\rho=0} \Delta_{\rho}(\cos)(x) = 0$

2. Derivada da função composta

- (a) $\underline{(V)}[\underline{V}] h(x) = \sin^2(x) \Rightarrow h'(x) = 2\sin(x)\cos(x)$
- (b) $\underline{(V)}[\underline{V}]$
- (c) $\underline{(V)}[\underline{V}]$
- (d) $\underline{(V)}[\underline{V}]$
- (e) $\underline{(V)}[\underline{V}] (f(g(x)))' = f'(g(x))g'(x)$

3. Derivada da função composta

- (a) $\underline{(V)}[\underline{V}]$
- (b) $\underline{(V)}[\underline{V}]$
- (c) $\underline{(V)}[\underline{V}]$
- (d) $\underline{(F)}[\underline{F}]$
- (e) $\underline{(V)}[\underline{V}]$
- (f) $\underline{(F)}[\underline{F}]$
- (g) $\underline{(V)}[\underline{V}]$

4. (a) $\underline{(V)}[\underline{V}]$
- (b) $\underline{(V)}[\underline{V}]$
- (c) $\underline{(V)}[\underline{V}]$

(d) (V)[V]

(e) (V)[V]

(f) (F)[F] aceitei quem indicou como verdadeira

(g) (V)[V]

(h) (V)[V]