$$\boldsymbol{D}(f + g)(u) = \boldsymbol{D}f(u) + \boldsymbol{D}g(u) \tag{A.9}$$

$$\boldsymbol{D}(f \circ h)(u) = \boldsymbol{D}h(f(u)) \circ \boldsymbol{D}f(u) = \boldsymbol{D}h(f(u)) \cdot \boldsymbol{D}f(u) \tag{A.10}$$