

$$\begin{aligned} (1) & \left(\sin^{-1} x + \sin^{-1} \sqrt{1 - x^2} \right)' \\ &= \frac{1}{\sqrt{1 - x^2}} + \sin^{-1}(t)' \left(\sqrt{1 - x^2} \right)' \\ &= \frac{1}{\sqrt{1 - x^2}} - \frac{x}{\sqrt{1 - t^2} \sqrt{1 - x^2}} \\ &= 0 \end{aligned}$$