

$$\mathbb{R} \xrightarrow[\text{diff}]{} -\frac{\pi}{2} | \frac{\pi}{2}$$

$$\underline{x} = \frac{1}{1+x^2}$$

$$1 + {}^y \mathfrak{t}^2 = 1 + \frac{{}^y \mathfrak{s}^2}{{}^y \mathfrak{c}^2} = \frac{{}^y \mathfrak{c}^2 + {}^y \mathfrak{s}^2}{{}^y \mathfrak{c}^2} = \frac{1}{{}^y \mathfrak{c}^2} = {}^y \underline{\mathfrak{t}}$$

$$1 = \underline{x} \underline{x} \underline{\mathfrak{t}} = \underline{x} \underline{x} \underline{1 + \underline{x} \underline{\mathfrak{t}}^2} = \underline{x} \underline{x} \underline{1 + x^2}$$