51.
(132)

$$y = \frac{1-\tan^2 x}{1+\tan^2 x} = (1-\tan^2 x)\cdot\frac{1}{1+\tan^2 x} = \left(1-\frac{\sin^2 x}{\cos^2 x}\right)\cdot\frac{1}{1+\frac{\sin^2 x}{\cos^2 x}} = \frac{\cos^2 x-\sin^2 x}{\cos^2 x}\cdot\frac{\cos^2 x}{\cos^2 x+\sin^2 x}$$

$$= \cos^2 x-\sin^2 x = \cos 2x$$

$$y' = -2\sin 2x$$

$$0 = -2\sin 2x \rightarrow 2x = \pi k \rightarrow x = \frac{\pi k}{2} \xrightarrow[\text{בתחום}]{\text{מציבים}} 0, \frac{\pi}{2}, \pi, \frac{3\pi}{2}, 2\pi$$

tan לא מוגדר עבור $\frac{\pi}{2}$; $\frac{3\pi}{2}$ ולכן נקבל רק $0, \pi, 2\pi$