⑤ $x = \tan(4t-6)$

$y = \sec(t^2-2^2)$

$\Rightarrow \therefore x = \tan(4t-6)$

$4t-6 = \text{arc tg } x$

$4t = \text{arc tg } x + 6$

$t = \frac{1}{4}\text{arc tg } x + \frac{6}{4}$

$t' = \frac{1}{4}\left(\frac{1}{x^2+1}\right)$

$\therefore y = \sec(t^2-2^2)$

$y' = \sec(t).\ tg(t).\ 2t\ (t')$

$= \left[\sec\left(\frac{1}{4}\text{arc tg } x+6\right)\right].\left[tg\left(\frac{1}{4}\text{arc tg } x+6\right)\right]$

$\left[2\left[\frac{1}{4}\text{arc tg } x+6\right]\right].\left[\frac{1}{4}\left(\frac{1}{x^2+1}\right)\right]$ //