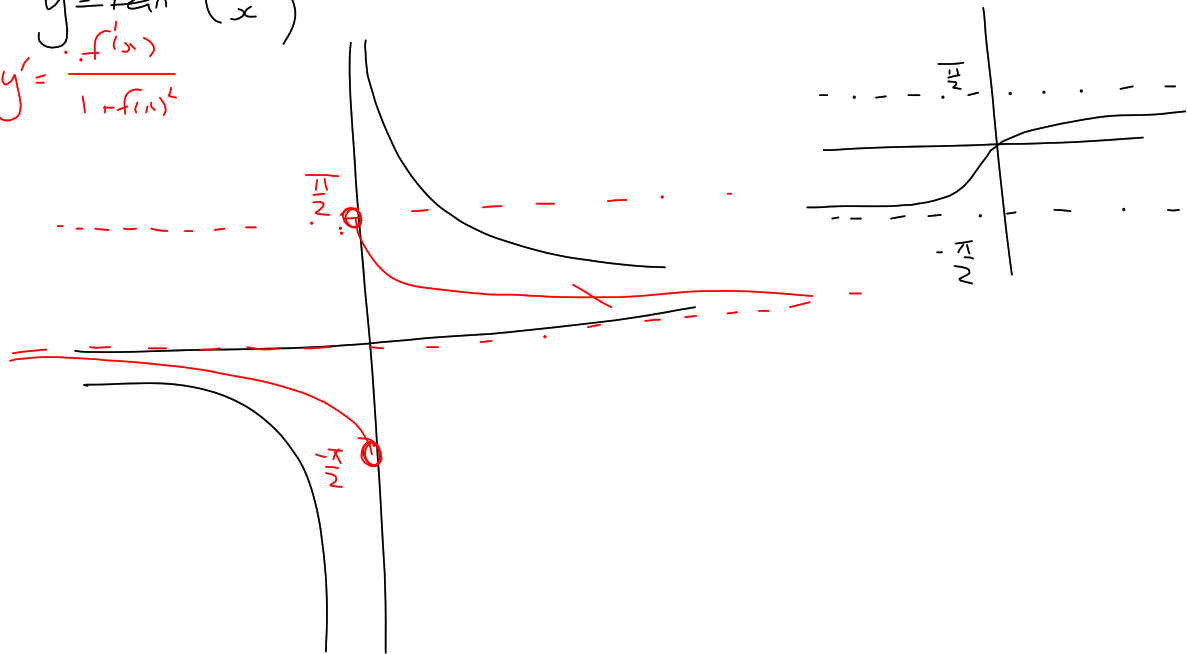
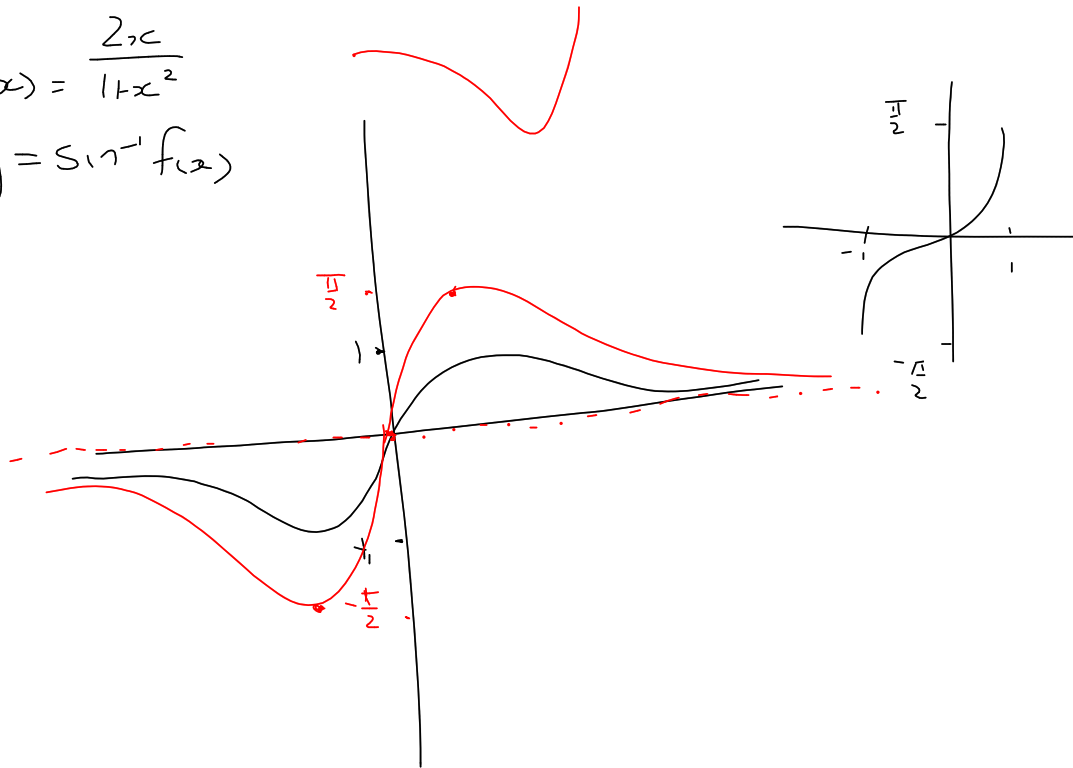
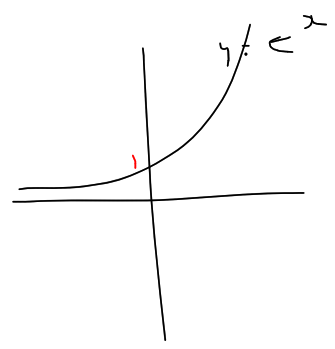
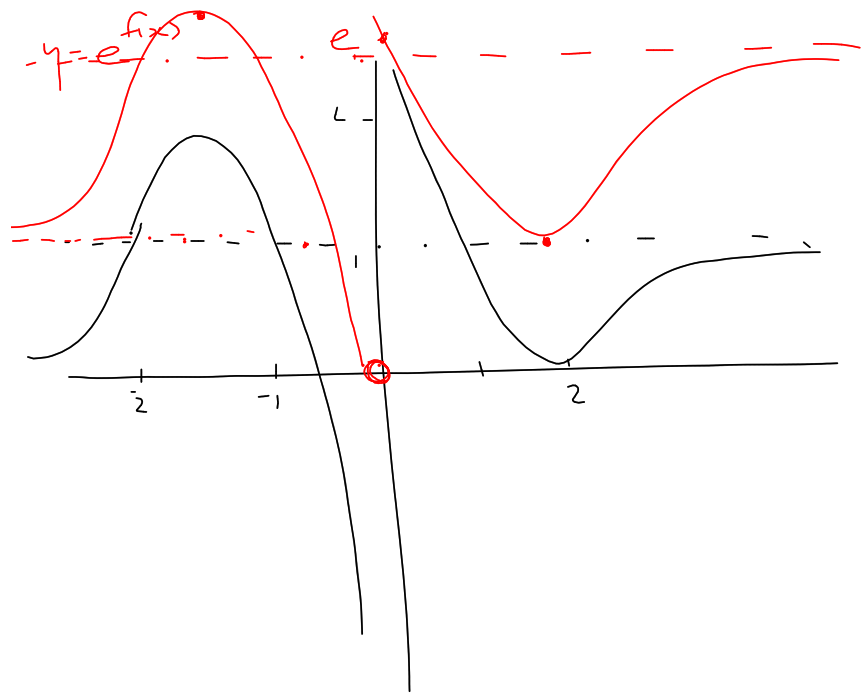


4b) $y = \tan^{-1}\left(\frac{1}{x}\right)$
 $y' = \frac{-f'(x)}{1+f(x)^2}$



9d) $f(x) = \frac{2x}{1+x^2}$
 $y = \arcsin f(x)$





$$\begin{aligned}\log_{a^n} x &= \frac{\log_a x}{\log_a a^n} \\ &= \frac{\log_a x}{n \log_a a} \\ &= \frac{1}{n} \log_a x\end{aligned}$$
