895. $y=\ln\left(x+\sqrt{x^2+1}\right)$.

896. $y=x\ln\left(x+\sqrt{1+x^2}\right)-\sqrt{1+x^2}$.

897. $y=x\ln^2\left(x+\sqrt{1+x^2}\right)-$
$-2\sqrt{1+x^2}\ln\left(x+\sqrt{1+x^2}\right)+2x$.

898. $y=\frac{x}{2}\sqrt{x^2+a^2}+\frac{a^2}{2}\ln\left(x+\sqrt{x^2+a^2}\right)$.

899. $y=\frac{1}{2\sqrt{ab}}\ln\frac{\sqrt{a}+x\sqrt{b}}{\sqrt{a}-x\sqrt{b}}$ $(a>0,\ b>0)$.

900. $y=\frac{2+3x^2}{x^3}\sqrt{1-x^2}+3\ln\frac{1+\sqrt{1-x^2}}{x}$.

901. $y=\ln\operatorname{tg}\frac{x}{2}$. 902. $y=\ln\operatorname{tg}\left(\frac{x}{2}+\frac{\pi}{4}\right)$.

903. $y=\frac{1}{2}\operatorname{ctg}^2 x+\ln\sin x$.

904. $y=\ln\sqrt{\frac{1-\sin x}{1+\sin x}}$.

905. $y=-\frac{\cos x}{2\sin^2 x}+\ln\sqrt{\frac{1+\cos x}{\sin x}}$

906. $y=\ln\frac{b+a\cos x+\sqrt{b^2-a^2}\sin x}{a+b\cos x}$
$(0\leqslant|\alpha|<|b|)$.

907. $y=\frac{1}{x}(\ln^3 x+3\ln^2 x+6\ln x+6)$.

908. $y=\frac{1}{4x^4}\ln\frac{1}{x}-\frac{1}{16x^4}$.

909. $y=\frac{3}{2}\left(1-\sqrt[3]{1+x^2}\right)+3\ln\left(1+\sqrt[3]{1+x^2}\right)$.

910. $y=\ln\left[\frac{1}{x}+\ln\left(\frac{1}{x}+\ln\frac{1}{x}\right)\right]$.

911. $y=x[\sin(\ln x)-\cos(\ln x)]$.

912. $y=\ln\operatorname{tg}\frac{x}{2}-\cos x\cdot\ln\operatorname{tg}x$.

913. $y=\arcsin\frac{x}{2}$.