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

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

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

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

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

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

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

906. $y = \ln\dfrac{b + a\cos x + \sqrt{b^2 - a^2}\,\sin x}{a + b\cos x}$

$(0 \leqslant |\alpha| < |b|)$.

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

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

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

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

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

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

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