900. $y = \dfrac{2 + 3x^2}{x^4} \sqrt{1 - x^2} + 3 \ln \dfrac{1 + \sqrt{1 - x^2}}{x}$.

901. $y = \ln \operatorname{tg} \dfrac{x}{2}$.

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

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

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

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

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

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

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

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

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

915. $y = \operatorname{arctg} \dfrac{x^2}{a}$.

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

916. $y = \dfrac{1}{\sqrt{2}} \operatorname{arcctg} \dfrac{\sqrt{2}}{x}$.

914. $y = \arccos \dfrac{1 - x}{\sqrt{2}}$.

917. $y = \sqrt{x} - \operatorname{arctg} \sqrt{x}$.

918. $y = x + \sqrt{1 - x^2} \cdot \arccos x$.

919. $y = x \arcsin \sqrt{\dfrac{x}{1 + x}} + \operatorname{arctg} \sqrt{x} - \sqrt{x}$.

920. $y = \arccos \dfrac{1}{x}$.

923. $y = \arcsin (\sin x - \cos x)$.

921. $y = \arcsin (\sin x)$.

924. $y = \arccos \sqrt{1 - x^2}$.

922. $y = \arccos (\cos^2 x)$.

925. $y = \operatorname{arctg} \dfrac{1 + x}{1 - x}$.

926. $y = \operatorname{arcctg} \left(\dfrac{\sin x + \cos x}{\sin x - \cos x} \right)$.

927. $y = \dfrac{1}{\sqrt{a^2 - b^2}} \operatorname{arctg} \left(\sqrt{\dfrac{a - b}{a + b}} \operatorname{tg} \dfrac{x}{2} \right)$ $(a > b \geqslant 0)$.

928. $y = \arcsin \dfrac{1 - x^2}{1 + x^2}$.

929. $y = \dfrac{1}{\arccos^2 (x^2)}$.

930. $y = \operatorname{arctg} x + \dfrac{1}{3} \operatorname{arctg} (x^3)$.

931. $y = \ln (1 + \sin^2 x) - 2 \sin x \cdot \operatorname{arctg} (\sin x)$.