

$$\boxed{1} \quad \int \frac{e^x}{e^x + 2} dx = \log(e^x + 2)$$

$$\boxed{2} \quad \int \sqrt{x \cdot \sqrt[3]{x \cdot \sqrt[4]{x \cdot \sqrt[5]{x \cdots}}} dx = \frac{x^{e-1}}{e-1}$$

$$\boxed{3} \quad \int_0^{2018\pi} |\sin(2018x)| dx = 4036$$

$$\boxed{4} \quad \int \frac{dx}{\tan x + \cot x} = \frac{1}{2} \sin^2(x)$$

$$\boxed{5} \quad \int \frac{x^5}{2 + x^{12}} dx = \frac{1}{6\sqrt{2}} \arctan(x^6/\sqrt{2})$$

$$\boxed{6} \quad \int (\cos x \cosh x + \sin x \sinh x) dx = \sin(x) \cosh(x)$$

$$\boxed{7} \quad \int \frac{e^x + \cos x}{e^x + \sin x} dx = \log(e^x + \sin x)$$

$$\boxed{8} \quad \int \sin(\cos(\sin x)) \sin(\sin x) \cos x dx = \cos(\cos(\sin(x)))$$

$$\boxed{9} \quad \int \frac{dx}{1 + \sin(x)} = \tan x - \sec x$$

$$\boxed{10} \quad \int \frac{\cos x}{1 - \cos(2x)} dx = -\frac{1}{2} \csc x$$

$$\boxed{11} \quad \int e^x(1/x + \log x) dx = e^x \log x$$

$$\boxed{12} \quad \int \tanh^2(x) dx = x - \tanh x$$

$$\boxed{13} \quad \int \frac{2017x^{2016} + 2018x^{2017}}{1 + x^{4034} + 2x^{4035} + x^{4036}} dx = \arctan(x^{2018} + x^{2017})$$

$$\boxed{14} \quad \int \frac{\sin(2x) - \sin^2 x}{\cos(2x) - \cos^2 x} dx = x - 2 \log(\sin x)$$

$$\boxed{15} \quad \int \frac{dx}{x^{\frac{25}{25}} \cdot x^{\frac{16}{25}} + x^{\frac{9}{25}}} = \frac{25}{16} \arctan \left(x^{\frac{16}{25}} \right)$$

$$\boxed{16} \quad \int_0^{\pi/2} \frac{\cos(x)}{2 - \cos^2(x)} dx = \frac{\pi}{4}$$

$$\boxed{17} \quad \int \frac{dx}{(1 + x^2)^{3/2}} = \frac{x}{\sqrt{1 + x^2}}$$

$$\boxed{18} \quad \int \frac{dx}{\sqrt{x\sqrt{x} - x^2}} = 4 \arcsin(\sqrt[4]{x})$$

$$\boxed{19} \quad \int \frac{x - 1}{x + x^2 \log x} dx = \log(1/x + \log x)$$

$$\boxed{20} \quad \int \csc(x) \sec(x) dx = \log(\tan(x))$$