27.
$$\sin x + \cos x = \frac{\cos x}{1 - \tan x} + \frac{\sin x}{1 - \cot x}$$

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$$= \frac{\cos x}{1 - \cot x}$$

$$= \frac{\cos x}{1 - \cot x}$$

$$4 \times + \cos \times = \sin x + \cos x$$

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3 25. If
$$\frac{\ln^{3}\theta - 1}{\ln^{3} - 1} - \sec^{2}\theta - 1 = 0$$
, $\frac{\ln^{3}\theta - 1}{\ln^{3} - 1} - \sec^{2}\theta - 1 = 0$. $\frac{\ln^{3}\theta + \ln^{3}\theta - 1}{\ln^{3}\theta + 2 + 2 + \ln^{3}\theta}$

35. If $\frac{\tan^{3}\theta - 1}{\tan^{3}\theta - 1} - \sec^{2}\theta - 1 = 0$, $\frac{\tan^{3}\theta - 1}{\tan^{3}\theta - 1} - \sec^{2}\theta - 1 = 0$, $\frac{\tan^{3}\theta - 1}{\tan^{3}\theta - 1} - \sec^{2}\theta - 1 = 0$, $\frac{\tan^{3}\theta - 1}{\tan^{3}\theta - 1} - \sec^{2}\theta - 1 = 0$, $\frac{\tan^{3}\theta - 1}{\tan^{3}\theta - 1} - \sec^{3}\theta - 1 = 0$, $\frac{\tan^{3}\theta - 1}{\tan^{3}\theta - 1} - \sec^{3}\theta - 1 = 0$, $\frac{\tan^{3}\theta - 1}{\tan^{3}\theta - 1} - \sec^{3}\theta - 1 = 0$, $\frac{\tan^{3}\theta - 1}{\tan^{3}\theta - 1} - \sec^{3}\theta - 1 = 0$, $\frac{\tan^{3}\theta - 1}{\tan^{3}\theta - 1} - \sec^{3}\theta - 1 = 0$, $\frac{\tan^{3}\theta - 1}{\tan^{3}\theta - 1} - \sec^{3}\theta - 1 = 0$, $\frac{\tan^{3}\theta - 1}{\tan^{3}\theta - 1} - \frac{\tan^{3}\theta - 1}{\tan^{3}\theta - 1} -$

$$\cos 375 = \cos (330+45) = \cos 330^{\circ} \cos 45^{\circ} - \sin 50^{\circ} \sin 45^{\circ}$$

$$= \left(\frac{13}{2}\right) \left(\frac{12}{2}\right) - \left(-\frac{1}{2}\right) \left(\frac{12}{2}\right)$$

$$= \frac{\sqrt{6}}{4} + \frac{\sqrt{2}}{4}$$

$$= \frac{\sqrt{6} + \sqrt{2}}{4}$$