Ex 1 c)

$$\int \frac{dx}{1 - \sin x}$$

$$= \int \frac{\frac{2}{1+t^2}\, dt}{1 - \frac{2t}{1+t^2}}$$

$$= \int \frac{2\, dt}{1 + t^2 - 2t}$$

$$= \int \frac{2\, dt}{\left(1 - t\right)^2}$$

$$= -\frac{2}{1 - t} + C$$

$$= \frac{2}{\tan \frac{x}{2} - 1} + C$$