a)
$$arcsin \times$$

$$\int_{1}^{\infty} \frac{sint}{t} dt = T'(x) = S'(arcsin x) \cdot Dercsin x = \frac{x}{arsin x} \frac{1}{\sqrt{1-x^2}} = \frac{x}{arsin x} \frac{1}{\sqrt{1-x^2}}$$

$$\int_{1}^{m} \frac{e^{2t}}{t} dt = T'(x) = S'(\ln x) \cdot D \ln x = \frac{x^2}{\ln x} \cdot \frac{1}{x} = \frac{x}{\ln x}$$

c)
$$\cos x$$

$$-\int \sqrt{1-t^2} dt = -T'(x) = \int '(\cos x) \cdot \operatorname{Dcos} x = \sqrt{8in^2 x} \cdot (-8inx) = \frac{8in^2 x}{8in^2}$$

$$\int_{1}^{\sin x} \int_{1-t^{2}}^{\sin x} dt = \int_{1-t^{2}}^{\sin x} \int_{1-t^{2}}^{\cos x} dt + \int_{1-t^{2}}^{\sin x} dt = 8in^{2}x + \cos^{2}x = 1$$

$$\cos x$$

$$-\int \int 1-t^2 dt = \dots = \sin^2 x$$

$$\int \int 1 - t^2 dt = t'(x) = \int (8\pi x) \cdot D \sin x = \cos x \cdot \cos x = \cos^2 x$$