$$S = S_1^2 \frac{2}{\chi^2} dx$$

$$= \left[-\frac{2}{\chi} \right]_1^2 = -\left(1 - 2 \right) = 1$$

$$S = \int_{0}^{1} \frac{4}{1+x^{2}} dx$$

$$X = \tan \theta \left(-\frac{7}{2} < 0 < \frac{72}{2} \right) = \frac{8}{6} < \frac{1}{2}$$

$$\frac{dx}{d\theta} = \frac{1}{\cos^{2}\theta} + \frac{1}{\cos^{2}\theta} = \frac{1$$