$$\begin{array}{lll}
5.5 - u - sob + Definite Integrals \\
\frac{2}{10x} & dx = \int_{0}^{2\pi x} \frac{du}{u^{3}} \cdot \frac{du}{2\pi} = 5 \cdot \int_{0}^{2\pi x} \frac{du}{du} \\
\frac{10x}{(1+x^{2})^{3}} dx = \int_{0}^{2\pi x} \frac{du}{u^{3}} \cdot \frac{du}{2\pi} = 5 \cdot \int_{0}^{2\pi x^{2}} \frac{du}{2\pi x^{2}} \\
= \frac{-5}{2u^{2}} - \frac{-5}{2(1)^{2}} = \frac{-5}{2} \cdot \frac{1}{10} = \frac{25}{10} = \frac{12}{10} = \frac{12}{10}$$

