By: Amulya Baniya

Evaluate $\displaystyle\int_0^1 \frac{8}{x^2 + 1}\, dx$

HINT: $\displaystyle\int \frac{f'}{a^2 + f^2}\, dx = \frac{1}{a}\arctan(\frac{f}{a}) + C$

Where $a = 1, f = x, f' = 1$