NEW FORMULA 3.251.6

The original formula is

$$
\int_{0}^{\infty} \frac{x^{\mu+1} d x}{\left(1+x^{2}\right)^{2}}=\frac{\pi \mu}{4 \sin (\pi \mu / 2)}
$$

and it looks better in the new form (simply replacing $\mu$ by $2 a$ )

$$
\int_{0}^{\infty} \frac{x^{2 a+1} d x}{\left(1+x^{2}\right)^{2}}=\frac{\pi a}{2 \sin \pi a}
$$

