torsdag 22 december 2022 10:51
$$\int \frac{40}{40 + x^2} dx = \int \int \frac{1}{1 + (\frac{x}{10})^2} = \frac{2}{5} a \pi + c n \frac{x}{10} \cdot 6 + c = \frac{4}{6} a \pi + c n \frac{x}{10} + c$$

$$\int \frac{40}{400 + x^2} dx = \left[ \frac{4}{6} a \pi + c n \frac{x}{10} \right] = \frac{4}{5} \cdot \frac{\pi}{14} = \frac{\pi}{16}$$

$$\int \frac{40}{400 + x^2} dx = \left[ \frac{4}{6} a \pi + c n \frac{x}{10} \right] = \frac{4}{5} \cdot \frac{\pi}{14} = \frac{\pi}{16}$$