

# Pi is irrational

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$$\pi = \frac{a}{b}$$

$$P_n(x) = \frac{x^n (a - bx)^n}{n!}$$

$$0 < \int_0^{\pi} P_n(x) \sin x \, dx < 1$$

$$n \gg 1$$



$$P_n(x) = P_n(\pi - x)$$