

$$\int_0^{\infty} \cos(2x) \prod_{n=1}^{\infty} \cos(x/n) dx = 0.39269908169872415480783042290993786052464543518723$$

$$\pi/8 = 0.39269908169872415480783042290993786052464617492189$$

$$\int_0^{\infty} \frac{\sin x}{x} dx = \frac{\pi}{2}$$

$$\int_0^{\infty} \frac{\sin x}{x} \frac{\sin x/3}{x/3} dx = \frac{\pi}{2}$$

$$\int_0^{\infty} \frac{\sin x}{x} \frac{\sin x/3}{x/3} \frac{\sin x/5}{x/5} dx = \frac{\pi}{2}$$

$$\int_0^{\infty} \frac{\sin x}{x} \frac{\sin x/3}{x/3} \frac{\sin x/5}{x/5} \frac{\sin x/7}{x/7} dx = \frac{\pi}{2}$$

$$\int_0^{\infty} \frac{\sin x}{x} \frac{\sin x/3}{x/3} \frac{\sin x/5}{x/5} \frac{\sin x/7}{x/7} \frac{\sin x/9}{x/9} dx = \frac{\pi}{2}$$

$$\int_0^{\infty} \frac{\sin x}{x} \frac{\sin x/3}{x/3} \frac{\sin x/5}{x/5} \frac{\sin x/7}{x/7} \frac{\sin x/9}{x/9} \frac{\sin x/11}{x/11} dx = \frac{\pi}{2}$$

$$\int_0^{\infty} \frac{\sin x}{x} \frac{\sin x/3}{x/3} \frac{\sin x/5}{x/5} \frac{\sin x/7}{x/7} \frac{\sin x/9}{x/9} \frac{\sin x/11}{x/11} \frac{\sin x/13}{x/13} dx = \frac{\pi}{2}$$

$$\int_0^{\infty} \frac{\sin x}{x} \frac{\sin x/3}{x/3} \frac{\sin x/5}{x/5} \frac{\sin x/7}{x/7} \frac{\sin x/9}{x/9} \frac{\sin x/11}{x/11} \frac{\sin x/13}{x/13} \frac{\sin x/15}{x/15} dx = \frac{467807924713440738696537864469}{935615849440640907310521750000} \pi$$