**Zadatak 24.** Ako je $\cos\left(x-\frac{3\pi}{2}\right)=-\frac{4}{5}$, $0<x<\frac{\pi}{2}$, koliko je $\sin\frac{x}{2}\cdot\cos\frac{x}{2}$?

***Rješenje.*** $\cos\left(x-\frac{3\pi}{2}\right)=\cos x\cos\frac{3\pi}{2}+\sin x\sin\frac{3\pi}{2}=\cos x\cdot 0+\sin x\cdot(-1)$

$=-\sin x=-\frac{4}{5}\implies \sin x=\frac{4}{5}$

$\sin\frac{x}{2}\cdot\cos\frac{x}{2}=\frac{1}{2}\sin x=\frac{1}{2}\cdot\frac{4}{5}=\frac{2}{5}.$