Lösung zu 477:

Es gilt der Zusammenhang: $\cos(x) = \sin\left(x + \frac{\pi}{2}\right)$ bzw. $\cos\left(x - \frac{\pi}{2}\right) = \sin(x)$

$f(x) = \sin(x) = \cos\left(x - \frac{\pi}{2}\right)$ → 1E

$f(x) = \cos(x) = \sin\left(x + \frac{\pi}{2}\right)$ → 2B

$f(x) = \sin(x + \pi) = \cos\left(x + \pi - \frac{\pi}{2}\right) = \cos\left(x + \frac{\pi}{2}\right)$ → 3A

$f(x) = \cos(x + \pi) = \sin\left(x + \pi + \frac{\pi}{2}\right) = \sin\left(x + \frac{3\pi}{2}\right) = \sin\left(x + \frac{3\pi}{2} - 2\pi\right) = \sin\left(x - \frac{\pi}{2}\right)$ → 4F