$$
\begin{aligned}
& \sin (a+b)=\sin (a) \cos (b)+\cos (a) \sin (b) \\
& \cos (a+b)=\cos (a) \cos (b)-\sin (a) \sin (b) \\
& \sin (\pi \sqrt{2}-x)=\cos (x) \\
& \sin \left(\frac{\pi}{2}-(a+b)\right)=1 \cdot \cos (-(a+b)) \\
& \sin \left(\frac{\pi}{2}-(a+b)\right)=\cos
\end{aligned}
$$

$$
\begin{aligned}
& \cos (a+b)=\sin \left(\frac{\pi}{2}-(a+b)\right) \\
& =\sin \left(\left(\frac{2}{2}-a\right)+(-b)\right) \\
& =\sin \left(\frac{\pi}{2}-a\right) \cos (-b)+\cos \left(\frac{1}{2}-a\right) \sin (-b) \\
& =\cos (a) \cos (b)-\sin (a) \sin (b)
\end{aligned}
$$

