Using half-angle formula for $\sin \left(\frac{19 \pi}{12}\right)$
$-^{\prime} \frac{\operatorname{sqrt}(2+\operatorname{sqrt}(3))}{2}$,

$$
-\frac{\sqrt{2+\sqrt{3}}}{2}
$$

evalf(\%)

$$
-0.9659258263
$$

Using angle sum formula for $\sin \left(\frac{19 \pi}{12}\right)$
$-\frac{(\operatorname{sqrt}(3)+1)}{2 \cdot \operatorname{sqrt}(2)}$,

$$
\begin{equation*}
-\frac{\sqrt{3}+1}{2 \sqrt{2}} \tag{3}
\end{equation*}
$$

evalf(\%)

$$
\begin{equation*}
-0.9659258262 \tag{4}
\end{equation*}
$$

They look very different but they are the same!

