Using half-angle formula for 
$$\sin\left(\frac{19 \pi}{12}\right)$$

$$-\frac{\operatorname{sqrt}(2 + \operatorname{sqrt}(3))}{2}$$

$$-\frac{\sqrt{2+\sqrt{3}}}{2} \tag{1}$$

evalf(%)

$$-0.9659258263$$
 (2)

Using angle sum formula for  $\sin\left(\frac{19 \pi}{12}\right)$ 

$$-\frac{(\operatorname{sqrt}(3)+1)}{2 \cdot \operatorname{sqrt}(2)},$$

$$-\frac{\sqrt{3}+1}{2\sqrt{2}}$$
 (3)

evalf(%)

$$-0.9659258262$$
 (4)

They look very different but they are the same!