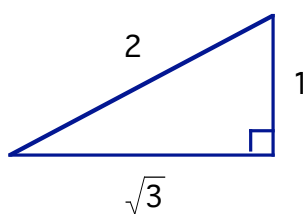


30-60-90 Triangle



$\sin(4\pi/3)=?$

Well,  $4\pi/3$  is in the third quadrant, where sine is negative, and its reference angle is  $\pi/3$ . Thus,  $\sin(4\pi/3)=-\sqrt{3}/2$

$\cos(7\pi/4)=?$

$7\pi/4$  is in the fourth quadrant, so the answer is positive. The reference angle is  $\pi/4$ . So  $\cos(7\pi/4)=\sqrt{2}/2$ .

45-45-90 Triangle

