## The 相rekld Tingar

15 Problems Concerning Reference Angles (Part 2 of 2)
(Part 4)
13. Reference angle $\frac{\pi}{6}$ :


The angle in the first quadrant is the most direct to calculate: it is the same as the reference angle, $\frac{\pi}{6}$.

The angle in the second quadrant is calculated by $\pi-\frac{\pi}{6}=\frac{5 \pi}{6}$.

The angle in the second quadrant is calculated by $\pi+\frac{\pi}{6}=\frac{7 \pi}{6}$.

The angle in the second quadrant is calculated by $2 \pi-\frac{\pi}{6}=\frac{11 \pi}{6}$.
15. Reference angle $\frac{\pi}{4}$ :


The angle in the first quadrant is the most direct to calculate: it is the same as the reference angle, $\frac{\pi}{4}$.

The angle in the second quadrant is calculated by $\pi-\frac{\pi}{4}=\frac{3 \pi}{4}$.

The angle in the second quadrant is calculated by $\pi+\frac{\pi}{4}=\frac{5 \pi}{4}$.

The angle in the second quadrant is calculated by $2 \pi-\frac{\pi}{4}=\frac{7 \pi}{4}$.
"Only he who never plays, never loses."

