

## Check answers: warm up #7-16

$$-2\pi \quad -2\pi \quad -2\pi \quad -\pi \quad -\pi \quad 0 \quad 0 \quad 0 \quad \pi \quad \pi \quad 2\pi \quad 2\pi \quad 2\pi$$

$$-\frac{3\pi}{2} \quad -\frac{3\pi}{2} \quad -\frac{3\pi}{2} \quad -\frac{3\pi}{2} \quad -\frac{\pi}{2} \quad -\frac{\pi}{2} \quad -\frac{\pi}{2} \quad -\frac{\pi}{2}$$

$$\frac{\pi}{2} \quad \frac{\pi}{2} \quad \frac{\pi}{2} \quad \frac{\pi}{2} \quad \frac{3\pi}{2} \quad \frac{3\pi}{2} \quad \frac{3\pi}{2} \quad \frac{3\pi}{2}$$

$$-\frac{7\pi}{4} \quad -\frac{5\pi}{4} \quad -\frac{3\pi}{4} \quad -\frac{\pi}{4} \quad \frac{\pi}{4} \quad \frac{3\pi}{4} \quad \frac{5\pi}{4} \quad \frac{7\pi}{4}$$

## 5.5 #4,6, 8-10, 43-48

→ use principal values

(see notes 6.4 and unit circle ws #1-50)

Principal values are used so there is only one unique solution.

$\sin x, \tan x \rightarrow$  Quadrants I and IV

$\cos x \rightarrow$  Quadrants I and II

## CHECK ANSWERS (evens & odds included)

$$\text{undefined} \quad 0 \quad 0 \quad 0 \quad 1 \quad 1$$

$$\frac{-\sqrt{3}}{2} \quad \frac{-\sqrt{2}}{2} \quad \frac{\sqrt{3}}{3} \quad \frac{1}{2} \quad \frac{-\pi}{2} \text{ (same as } \frac{3\pi}{2} \text{)}$$

$$\frac{-\pi}{3} \text{ (same as } \frac{5\pi}{3} \text{)} \quad \frac{-\pi}{4} \text{ (same as } \frac{7\pi}{4} \text{)}$$

$$\frac{-\pi}{6} \text{ (same as } \frac{11\pi}{6} \text{)} \quad \frac{-\pi}{6} \text{ (same as } \frac{11\pi}{6} \text{)}$$

$$\frac{\pi}{2} \quad \frac{\pi}{4} \quad \frac{\pi}{4} \quad \frac{\pi}{4} \quad \frac{2\pi}{3} \quad \frac{3\pi}{4}$$