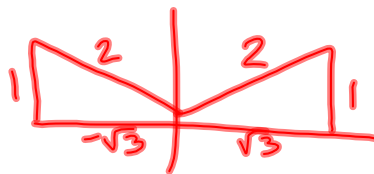


Review: Answers should be in radians between 0 and 2π .

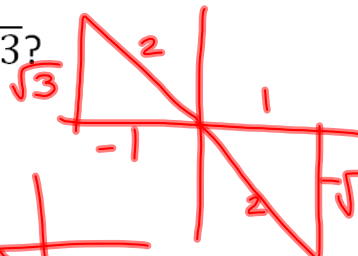
1. What angle(s) have a sine value of $\frac{1}{2}$?

$\frac{\pi}{6}$ & $\frac{5\pi}{6}$



2. What angle(s) have a tangent value of $-\sqrt{3}$?

$\frac{2\pi}{3}$ & $\frac{5\pi}{3}$



3. What angle(s) have a cosine value of -1?

π

4. What angle(s) have a sine value of 0?

0 & π



6.3 handout problems – prove the trigonometric identity

86. $\frac{\cos 2x}{\sin^2 x} = \csc^2 x - 2$

$$88. \frac{2 \cos 2x}{\sin 2x} = \cot x - \tan x$$

$$90. \frac{1}{2} \csc^2 \frac{x}{2} = \csc^2 x + \cot x \csc x$$

$$92. \sec 2x = \frac{\sec^2 x}{2 - \sec^2 x}$$

$$94. \sec^2 \frac{x}{2} = \frac{2}{1 + \cos x}$$

Homework: 6.3 handout #85-93 odd