

Name : \_\_\_\_\_

L1S2

## Solving Trigonometric Equations

Solve each equation on the interval  $0 \leq x \leq 2\pi$ .

1)  $1 = -\frac{1}{\cot x}$

2)  $1 + 2 \cos x = 2$

3)  $\tan^2 x = 3$

5)  $32 = 2 \sin x +$

$7 = -5$

# PREVIEW

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 $\frac{3\pi}{4}, \frac{7\pi}{4}$  $\frac{5\pi}{3}$ **PREVIEW**

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 $\frac{\pi}{3}, \frac{2\pi}{3}, \frac{4\pi}{3}$  $\frac{\pi}{3}, \frac{5\pi}{3}$  $\frac{\pi}{6}, \frac{5\pi}{6}$  $0, 2\pi$