

Name : _____

T4S1

Solving Trigonometric Equations

Solve each trigonometric equation.

1) $\frac{\sqrt{3} \cos \theta + \sin \theta}{\sqrt{2}} = 1$

2) $\sqrt{2} \sec \theta - 1 = -\tan \theta$

3) $\cos \theta + \sin \theta = \sqrt{2}$

$\cdot \csc \theta$

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$2n\pi + \frac{5\pi}{12}, 2n\pi$

$; n \in \mathbb{Z}$

$\cdot \csc \theta$

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$2n\pi + \frac{\pi}{4}; n \in \mathbb{Z}$

$2n\pi + \frac{\pi}{3}; n \in \mathbb{Z}$