

Name : _____

T2L1S1

Solving Trigonometric Equations

Solve each trigonometric equation.

1) $\cos \theta - 1 = 0$

2) $\sin \frac{\theta}{2} = -1$

3) $\cot \theta = \frac{1}{\sqrt{3}}$

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5) $3 \tan \theta = -\sqrt{3}$

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$2n\pi ; n \in \mathbb{Z}$

$(2n+1)\pi ; n \in \mathbb{Z}$

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

$(2n+1)\frac{\pi}{12} ; n \in \mathbb{Z}$

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$n\pi - \frac{\pi}{6} ; n \in \mathbb{Z}$

$\frac{2n\pi}{5} \pm \frac{\pi}{30} ; n \in \mathbb{Z}$