

Name : _____

T2L2S1

Solving Trigonometric Equations

Solve each trigonometric equation.

1) $\cos 2\theta + \sin 3\theta = 0$

2) $\sin 8\theta + \sin 6\theta = 0$

3) $\sin 3\theta - \sin 5\theta + \sin 7\theta = 0$

$2\theta - \tan 3\theta = 0$

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Answer key

T2L2S1

Solving Trigonometric Equations

Solve each trigonometric equation.

1) $\cos 2\theta + \sin 3\theta = 0$

2) $\sin 8\theta + \sin 6\theta = 0$

PREVIEW

$$2m\pi - \frac{\pi}{2}, \frac{2n\pi}{5}$$

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$$+ 1) \frac{\pi}{2}; m, n \in \mathbb{Z}$$

3) $\sin 3\theta - \sin 5\theta + \sin 7\theta = 0$

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$$2\theta - \tan 3\theta = 0$$

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$$\frac{n\pi}{5}, m\pi \pm \frac{\pi}{6}; m, n \in \mathbb{Z}$$

$$n\pi, \frac{m\pi}{2}; m, n \in \mathbb{Z}$$