

Sum-to-Product Identity

Write each sum or difference as a product.

1) $\cos \frac{3\pi}{20} + \cos \frac{17\pi}{60}$

2) $\sin 97^\circ + \sin 19^\circ$

3) $7(\sin 8x - \sin$

$\cos(-3x)$

PREVIEW

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5) $4(\cos 65^\circ + \cos$

$\sin 24x$

Sum-to-Product Identity

Write each sum or difference as a product.

1) $\cos \frac{3\pi}{20} + \cos \frac{17\pi}{60}$

2) $\sin 97^\circ + \sin 19^\circ$

$2 \cos \frac{13\pi}{60}$

$2 \cos 39^\circ$

PREVIEW

3) $7(\sin 8x - \sin$

$\cos(-3x)$

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$-14 \cos 1$

$4x \sin x$

5) $4(\cos 65^\circ + \cos$

$\sin 24x$

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$8 \cos \frac{71^\circ}{2} \cos \frac{59^\circ}{2}$

$2 \sin 33x \cos 9x$