

Cofunction Identities

Part A

Write each number as a trigonometric function of an acute angle less than 45° or $\frac{\pi}{4}$.

1) $\cos 61^\circ$

2) $\tan \frac{13\pi}{45}$

3) $\csc 77^\circ$

4) $\sec \frac{7\pi}{18}$

$\cot \frac{4\pi}{9}$

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Write each number as a trigonometric function of an acute angle greater than 45° or $\frac{\pi}{4}$.

acute angle greater

7) $\cot \frac{\pi}{8}$

$\sin \frac{\pi}{6}$

10) $\tan 23^\circ$

11) $\sec \frac{5\pi}{36}$

12) $\cos 12^\circ$

Cofunction Identities

Part A

Write each number as a trigonometric function of an acute angle less than 45° or $\frac{\pi}{4}$.

1) $\cos 61^\circ$

2) $\tan \frac{13\pi}{45}$

3) $\csc 77^\circ$

$\sin 29^\circ$

$\cot \frac{19\pi}{22}$

$\sec 13^\circ$

4) $\sec \frac{7\pi}{18}$

PREVIEW

$\cot \frac{4\pi}{9}$

$\csc \frac{\pi}{9}$

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$\tan \frac{\pi}{18}$

Write each number as a trigonometric function of an acute angle greater than 45° or $\frac{\pi}{4}$.

7) $\cot \frac{\pi}{8}$

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acute angle greater

$\sin \frac{\pi}{6}$

$\tan \frac{3\pi}{8}$

$\sec 49^\circ$

$\cos \frac{\pi}{3}$

10) $\tan 23^\circ$

11) $\sec \frac{5\pi}{36}$

12) $\cos 12^\circ$

$\cot 67^\circ$

$\csc \frac{13\pi}{36}$

$\sin 78^\circ$