Convert 285° degrees to radians

Convert $\frac{7}{3}\pi$ radians to degrees

Evaluate each expression:

$\sin(90°)$

$\tan(240°)$

$\cos\left(\frac{5\pi}{6}\right)$

$\sec(225°)$

$\csc\left(\frac{5\pi}{3}\right)$

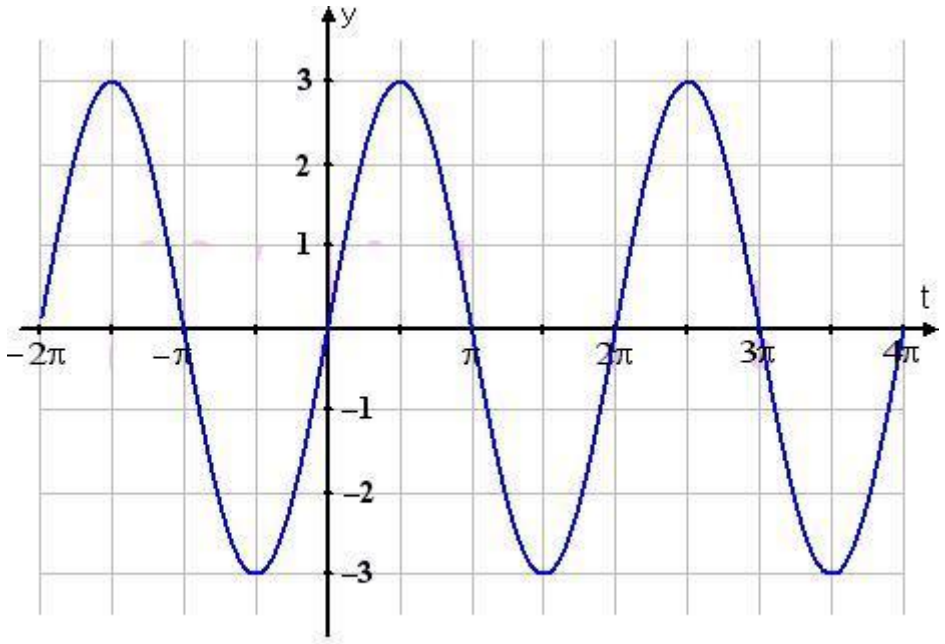
$\cot(330°)$

Determine two angles that are coterminal (positive/negative) with each of the following:

$103°$

$$\frac{7\pi}{5}$$

Determine the amplitude and period of each:



sine function graph

$$f\left(x\right)=-4\cos\left(3\pi\right)$$

Directions: Identify the domain and range of each

$$f(x) = -4\cos(3x)$$

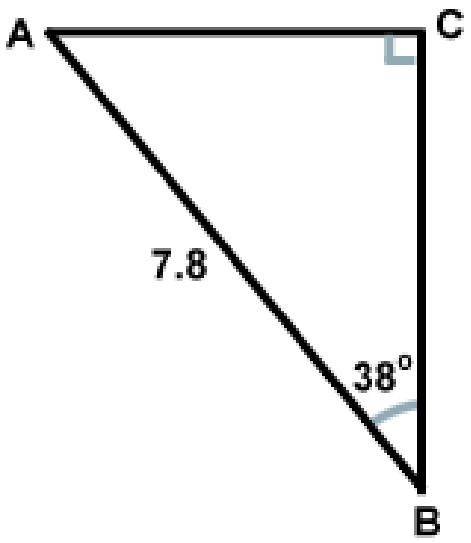
$$f(x) = \tan\left(\frac{x}{2}\right)$$

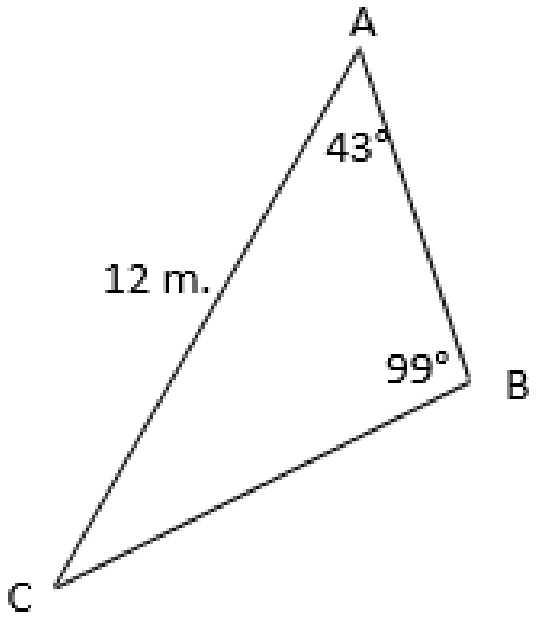
Directions: Is the function a sinusoid?

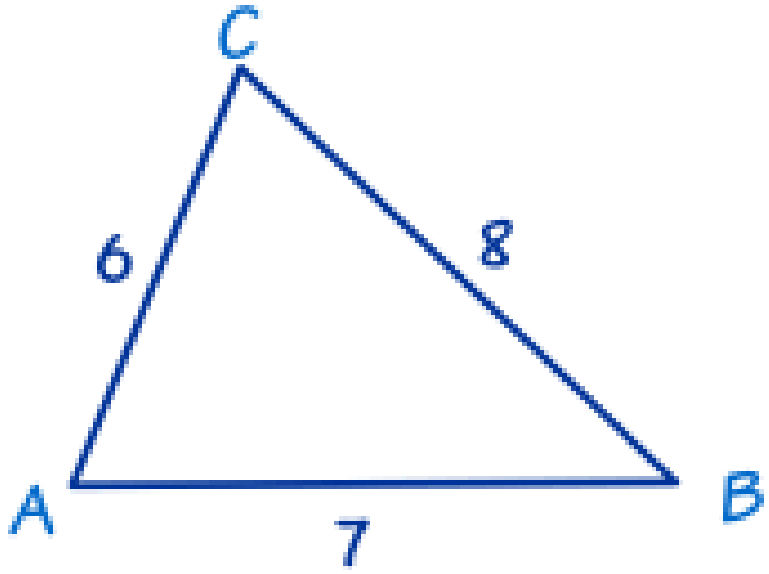
$$f(x) = -4\cos(3x) + 7\sin(3x)$$

$$f(x) = -4\cos(5x) + 7\sin(4x)$$

Directions: solve the triangle







Directions: Evaluate

$$\cos^{-1}\left(\frac{\sqrt{2}}{2}\right)$$

$$\sin^{-1}\left(-\frac{\sqrt{3}}{2}\right)$$

$$\tan^{-1}\left(-\frac{\sqrt{3}}{3}\right)$$

$$\cos\left[\tan^{-1}\left(-\frac{\sqrt{3}}{3}\right)\right]$$

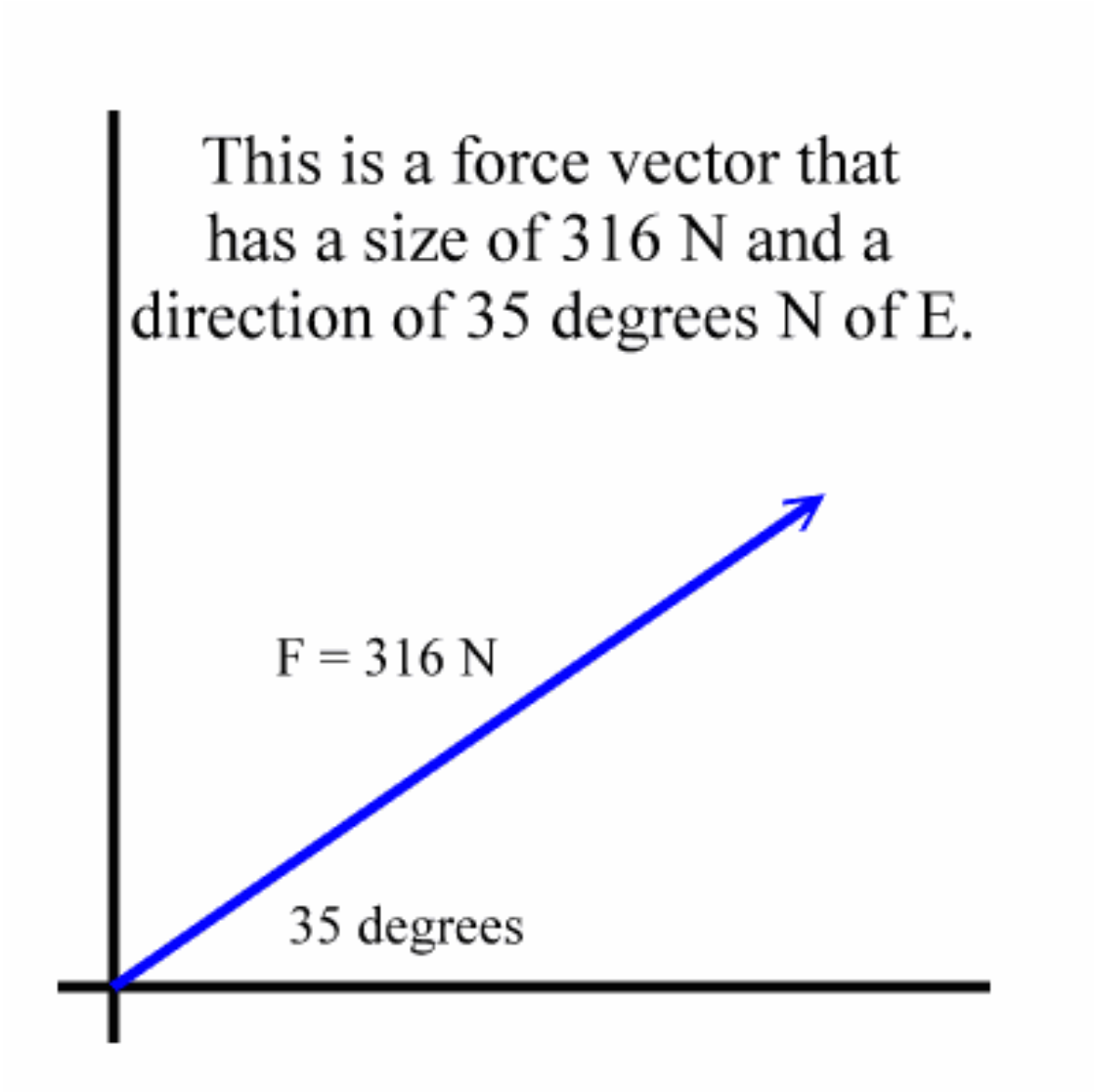
Directions: Find the magnitude and direction of the vector

$\langle 16, -5 \rangle$

$\overrightarrow{BA}$

$A(-3, -7)$ and $B(-5, 9)$

Directions: Put each vector in component form



Directions: Subtract the component form

$$\overrightarrow{BA} - \overrightarrow{CD}$$

$$A(-3, -7) \text{ and } B(-5, 9)$$

$$C(3, 4) \text{ and } D(-4, -7)$$

Directions: Can you find the angle between two vectors

$$\langle 16, -5 \rangle \text{ and } \langle -3, 9 \rangle$$

Directions: Determine whether the vectors are parallel, orthogonal or neither

$\langle 16, -5 \rangle$ and $\langle -3, 9 \rangle$

$\langle 6, 2 \rangle$ and $\langle -3, 9 \rangle$

$\langle 6, 2 \rangle$ and $\langle 12, 4 \rangle$

Directions: Simplify

$\sin^2 x + \cos^2 x$

$\cot x \cdot \tan x$

Directions:

Directions: