

Pre Calculus 6 3 Part 1 Finding Trigonometric Reference Angles

Lesson 190 | Precalculus | Radians, reference and coterminal angles

<https://www.youtube.com/watch?v=000qGjGvGZk>

Original practice aligned to the saved video title.

Name: _____ Date: _____ Show your reasoning.

01

For angle 1020° , find the radian measure, the coterminal angle in $[0^\circ, 360^\circ)$, and its reference angle (use 0° or 90° for axis angles).

02

For angle -2040° , find the radian measure, the coterminal angle in $[0^\circ, 360^\circ)$, and its reference angle (use 0° or 90° for axis angles).

03

For angle -2070° , find the radian measure, the coterminal angle in $[0^\circ, 360^\circ)$, and its reference angle (use 0° or 90° for axis angles).

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04

For angle 60° , find the radian measure, the coterminal angle in $[0^\circ, 360^\circ)$, and its reference angle (use 0° or 90° for axis angles).

05

For angle 600° , find the radian measure, the coterminal angle in $[0^\circ, 360^\circ)$, and its reference angle (use 0° or 90° for axis angles).

06

For angle 3060° , find the radian measure, the coterminal angle in $[0^\circ, 360^\circ)$, and its reference angle (use 0° or 90° for axis angles).

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- 01** For angle 1020° , find the radian measure, the coterminal angle in $[0^\circ, 360^\circ)$, and its reference angle (use 0° or 90° for axis angles).

Radians = $17/3\pi$. Coterminal angle 300° . Reference angle 60° .

- 02** For angle -2040° , find the radian measure, the coterminal angle in $[0^\circ, 360^\circ)$, and its reference angle (use 0° or 90° for axis angles).

Radians = $-34/3\pi$. Coterminal angle 120° . Reference angle 60° .

- 03** For angle -2070° , find the radian measure, the coterminal angle in $[0^\circ, 360^\circ)$, and its reference angle (use 0° or 90° for axis angles).

Radians = $-23/2\pi$. Coterminal angle 90° . Reference angle 90° .

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04

For angle 60° , find the radian measure, the coterminal angle in $[0^\circ, 360^\circ)$, and its reference angle (use 0° or 90° for axis angles).

Radians = $\frac{1}{3}\pi$. Coterminal angle 60° . Reference angle 60° .

05

For angle 600° , find the radian measure, the coterminal angle in $[0^\circ, 360^\circ)$, and its reference angle (use 0° or 90° for axis angles).

Radians = $\frac{10}{3}\pi$. Coterminal angle 240° . Reference angle 60° .

06

For angle 3060° , find the radian measure, the coterminal angle in $[0^\circ, 360^\circ)$, and its reference angle (use 0° or 90° for axis angles).

Radians = 17π . Coterminal angle 180° . Reference angle 0° .