

The Easiest Way of Finding the Coterminal Angles and the Trigonometric Ratios In Terms ...

Lesson 142 | Trigonometry | Radians, reference and coterminal angles

https://www.youtube.com/watch?v=EX_tOxWRIK4

Original practice aligned to the saved video title.

Name: _____ Date: _____ Show your reasoning.

01

For angle 1650° , 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 1200° , 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 3450° , 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 3600° , 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 1290° , 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 420° , 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 1650° , find the radian measure, the coterminal angle in $[0^\circ, 360^\circ)$, and its reference angle (use 0° or 90° for axis angles).

Radians = $55/6\pi$. Coterminal angle 210° . Reference angle 30° .

02

For angle 1200° , find the radian measure, the coterminal angle in $[0^\circ, 360^\circ)$, and its reference angle (use 0° or 90° for axis angles).

Radians = $20/3\pi$. Coterminal angle 120° . Reference angle 60° .

03

For angle 3450° , find the radian measure, the coterminal angle in $[0^\circ, 360^\circ)$, and its reference angle (use 0° or 90° for axis angles).

Radians = $115/6\pi$. Coterminal angle 210° . Reference angle 30° .

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04

For angle 3600° , find the radian measure, the coterminal angle in $[0^\circ, 360^\circ)$, and its reference angle (use 0° or 90° for axis angles).

Radians = 20π . Coterminal angle 0° . Reference angle 0° .

05

For angle 1290° , find the radian measure, the coterminal angle in $[0^\circ, 360^\circ)$, and its reference angle (use 0° or 90° for axis angles).

Radians = $43/6\pi$. Coterminal angle 210° . Reference angle 30° .

06

For angle 420° , find the radian measure, the coterminal angle in $[0^\circ, 360^\circ)$, and its reference angle (use 0° or 90° for axis angles).

Radians = $7/3\pi$. Coterminal angle 60° . Reference angle 60° .