

Using 3rd grade Math Skill to Convert Angles Between Radians and Degrees Trig Day3

Lesson 141 | Trigonometry | Radians, reference and coterminal angles

<https://www.youtube.com/watch?v=ybLFMKFD3jw>

Original practice aligned to the saved video title.

Name: _____ Date: _____ Show your reasoning.

01 For angle 2850° , 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 -1140° , 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 240° , 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 -1020° , 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 -2010° , 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 -750° , 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 2850° , find the radian measure, the coterminal angle in $[0^\circ, 360^\circ)$, and its reference angle (use 0° or 90° for axis angles).

Radians = $95/6\pi$. Coterminal angle 330° . Reference angle 30° .

02

For angle -1140° , find the radian measure, the coterminal angle in $[0^\circ, 360^\circ)$, and its reference angle (use 0° or 90° for axis angles).

Radians = $-19/3\pi$. Coterminal angle 300° . Reference angle 60° .

03

For angle 240° , find the radian measure, the coterminal angle in $[0^\circ, 360^\circ)$, and its reference angle (use 0° or 90° for axis angles).

Radians = $4/3\pi$. Coterminal angle 240° . Reference angle 60° .

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04

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 60° . Reference angle 60° .

05

For angle -2010° , find the radian measure, the coterminal angle in $[0^\circ, 360^\circ)$, and its reference angle (use 0° or 90° for axis angles).

Radians = $-67/6\pi$. Coterminal angle 150° . Reference angle 30° .

06

For angle -750° , find the radian measure, the coterminal angle in $[0^\circ, 360^\circ)$, and its reference angle (use 0° or 90° for axis angles).

Radians = $-25/6\pi$. Coterminal angle 330° . Reference angle 30° .