

The Secret of Finding a Reference Angle (Day 5 Trig Lesson)

Lesson 149 | Trigonometry | Radians, reference and coterminal angles

<https://www.youtube.com/watch?v=epYLEzrKU1M>

Original practice aligned to the saved video title.

Name: _____ Date: _____ Show your reasoning.

01

For angle 2700° , 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 -2610° , 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 -2370° , find the radian measure, the coterminal angle in $[0^\circ, 360^\circ)$, and its reference angle (use 0° or 90° for axis angles).

The Secret of Finding a Reference Angle (Day 5 Trig Lesson)

Lesson 149 | Trigonometry | Radians, reference and coterminal angles

<https://www.youtube.com/watch?v=epYLEzrKU1M>

Original practice aligned to the saved video title.

Name: _____ Date: _____ Show your reasoning.

04

For angle 2100° , 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 -1980° , 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 2070° , find the radian measure, the coterminal angle in $[0^\circ, 360^\circ)$, and its reference angle (use 0° or 90° for axis angles).

The Secret of Finding a Reference Angle (Day 5 Trig Lesson)

Lesson 149 | Trigonometry | Radians, reference and coterminal angles

<https://www.youtube.com/watch?v=epYLEzrKU1M>

Original practice aligned to the saved video title.

- 01** For angle 2700° , find the radian measure, the coterminal angle in $[0^\circ, 360^\circ)$, and its reference angle (use 0° or 90° for axis angles).

Radians = 15π . Coterminal angle 180° . Reference angle 0° .

- 02** For angle -2610° , find the radian measure, the coterminal angle in $[0^\circ, 360^\circ)$, and its reference angle (use 0° or 90° for axis angles).

Radians = $-29/2\pi$. Coterminal angle 270° . Reference angle 90° .

- 03** For angle -2370° , find the radian measure, the coterminal angle in $[0^\circ, 360^\circ)$, and its reference angle (use 0° or 90° for axis angles).

Radians = $-79/6\pi$. Coterminal angle 150° . Reference angle 30° .

The Secret of Finding a Reference Angle (Day 5 Trig Lesson)

Lesson 149 | Trigonometry | Radians, reference and coterminal angles

<https://www.youtube.com/watch?v=epYLEzrKU1M>

Original practice aligned to the saved video title.

04

For angle 2100° , find the radian measure, the coterminal angle in $[0^\circ, 360^\circ)$, and its reference angle (use 0° or 90° for axis angles).

Radians = $35/3\pi$. Coterminal angle 300° . Reference angle 60° .

05

For angle -1980° , find the radian measure, the coterminal angle in $[0^\circ, 360^\circ)$, and its reference angle (use 0° or 90° for axis angles).

Radians = -11π . Coterminal angle 180° . Reference angle 0° .

06

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 270° . Reference angle 90° .