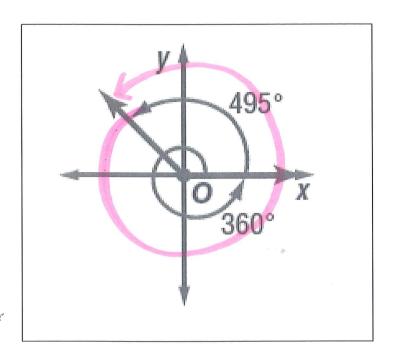


Angle of Rotation In trigonometry, an angle is sometimes referred to as an anale of rotation.



What would the angle measure be if it took another full rotation?

Coterminal Angles: The graph shows a 405° angle and a 45° angle. They both share the same terminal side. When two angles in standard position have the same terminal sides, they are called co terminal angles.

Pos: 45° In degrees, you add/subtract 360

In radians, you would add/subtract 2π

Neg: 45'-360°

Examples: Find one angle with positive measure and one angle with negative measure coterminal with each angle.

1. 240°

OS: 240+360

[POS: 600°] neg: 240-360

You try:

1.390°

POS: 390+360=1750° POS

Pos: 30°

neg: 390-360 = 30° This is still Pos!: So Subject 30-360 360 Again.

Pos: 415 +360 Pos: 775° | Pos: 55° | neg: 415-360 = 56° still pos so subtract 360'ogain

Pos: 80+340 Pos neg: 80-340 440° [neg: -280°]