

PC11

Coterminal Angles

Coterminal angles are angles in standard position with a coinciding terminal arm. Coterminal angles can be both, positive and negative.

It is possible to calculate angle measures for coterminal angles using the formula:



Ex.1: Find two positive and two negative angles that are coterminal with $\theta = 80^\circ$.

Ex.2: Determine whether $\alpha = 960^\circ$ and $\beta = -120^\circ$ are coterminal angles. Support your answer.

Ex.3: Determine whether $\alpha = 1350^\circ$ and $\beta = 80^\circ$ are coterminal angles. Support your answer.