The Weekly Rigor
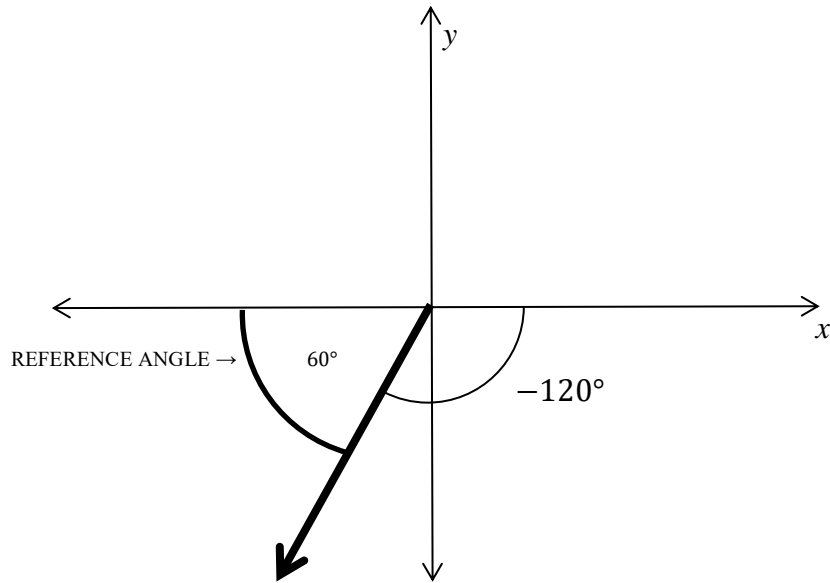
10 Problems Concerning Reference Angles (Part 1 of 2)
(Part 2)

5. $210°$
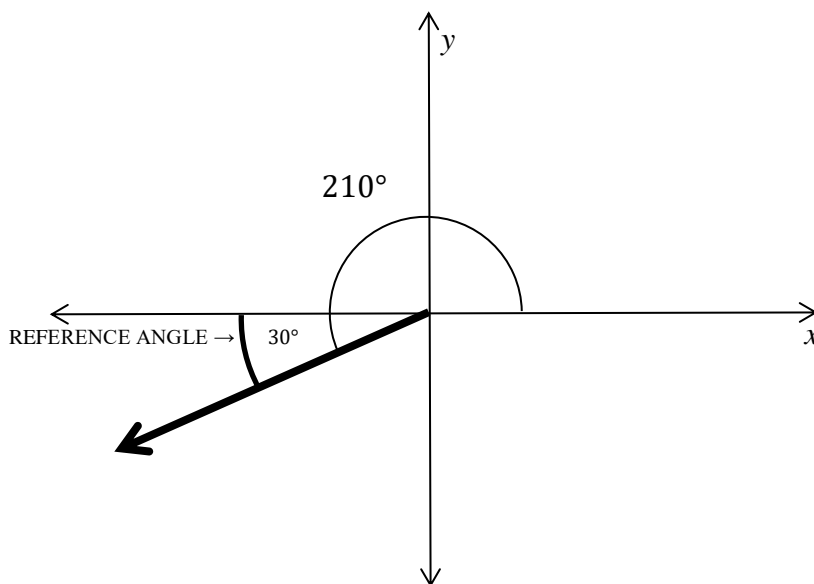
For an angle of $210°$ in standard position, the reference angle is $210° - 180° = 30°$.

7. $-120°$

An angle of $-120°$ in standard position is conterminal with an angle of $-120° + 360° = 240°$. For an angle of $240°$ in standard position, the reference angle is $240° - 180° = 60°$.
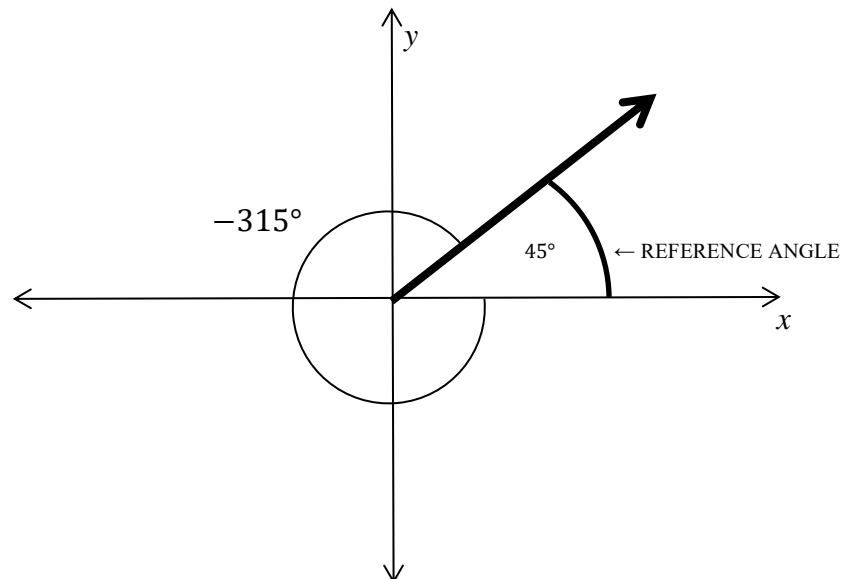
9. $-315°$

An angle of $-315°$ in standard position is conterminal with an angle of $-315° + 360° = 45°$. For an angle of $45°$ in standard position, the reference angle is the same as the angle itself.