

Exercise 115

For the following exercises, convert each angle in degrees to radians. Write the answer as a multiple of π .

$$-60^\circ$$

Solution

Convert to radians by multiplying the given angle with the appropriate conversion factor.

$$-60^\circ \times \frac{\pi \text{ radians}}{180^\circ} = -\frac{\pi}{3} \text{ radians}$$

The degrees cancel, and only radians are left in the numerator.