

Exercise 113

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

$$240^\circ$$

Solution

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

$$240^\circ \times \frac{\pi \text{ radians}}{180^\circ} = \frac{4\pi}{3} \text{ radians}$$

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