

Exercise 114

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

$$15^\circ$$

Solution

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

$$15^\circ \times \frac{\pi \text{ radians}}{180^\circ} = \frac{\pi}{12} \text{ radians}$$

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