Problem of the Week
Problem C
Pi Day is Rolling Along

A coin has the image of π on one side and is being rolled along a horizontal surface. It starts at position A, with the π symbol oriented correctly. The coin then rolls until it reaches position B, which is 9 cm to the right of A. If the image of π is now rotated 90° counterclockwise for the first time, then what is the radius of the coin? Round your answer to 1 decimal. What orientation will the image of π be in after it has rolled a total of 174 cm?