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AROUND a circle s the PERIMETER of a circle. r = winkle, little star, circumference equals 2 pi r. ce in terms of pi and a decimal rounded to 2^{1} 4^{3} diameter = 14 cm
r = content of pi and a decimal rounded to 2) () () () () () () () () () (
ce in terms of pi and a decimal rounded to 2) (3) (3) (3) (3) (4) (3) (3) (3) (4) (3) (3) (4) (3) (4) (3) (4)
4) diameter = 14 cm
-#8 using the given circumference.
n 8) circumference = 59.1 km rence of 24π . What is the length of the diameter?



Topic: Arc Length (cont.)

Date:

<u>Main Ideas/</u> Questions



Find the radius of the given arc.



Notes



7) A circle has an arc whose measure is 80° and whose length is 88π . What is the diameter of the circle?

8) Find the measure of the central angle of a circle if its minor arc length is 14 cm and the radius is 18 cm.

9) A pendulum is 30 inches long. When the pendulum swings it travels along the arc of a circle and covers a distance 50.65 inches. What is the angle that the pendulum is swinging?

10) A clock is at 5 o'clock. If the radius of the hour hand is 5 inches long, what is the distance that the hour hand traveled?