

Advanced Math

4-1
(Day 2)

Radian and Degree Measure

Convert the measure from degrees to radians. Round to three decimal places.

47) 115°

Convert the measure from radians to degrees. Round to three decimal places.

55) $\frac{\pi}{7}$

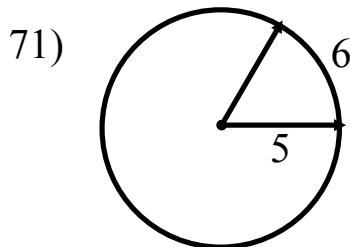
Convert to decimal degree form.

65) $85^\circ 18' 30''$

Convert to degree, minutes, and seconds form.

67) 2.5

Find the angle in radians.



Find the length of the arc on a circle of the given radius intercepted by the given angle.

81) Radius: 6m

Central Angle: 2

91) A car is moving at a rate of 50 miles per hour, and the diameter of its wheels is 2.5 ft.

a) Find the number of revolutions per minute the wheels are rotating.

b) Find the angular speed of the wheels in radians per minute.

Assignment: pg 368 48-86 all, 90, 92-96 all.
