_____

Convert the angle to a decimal in degrees. Round the answer to two decimal places.

    1) 11°41'45"

    1) _____

Convert the angle to D° M' S'' form. Round the answer to the nearest second.

    2) 39.08°

    2) _____

If s denotes the length of the arc of a circle of radius r subtended by a central angle θ, find the missing quantity.

    3) r = 14.0 inches, θ = 30°, s = ?

    3) _____

    4) r = $\dfrac{1}{3}$ feet, s = 8 feet, θ = ?

    4) _____

    5) s = 9.5 meters, θ = 2.5 radians, r = ?

    5) _____

Solve the problem.

    6) The minute hand of a clock is 6 inches long. How far does the tip of the minute hand move in 10 minutes? If necessary, round the answer to two decimal places.

    6) _____