

Problem 1

Solutions to even questions p451 #76–86 evens

#76) $\frac{29}{10}$ radians

#78) $\frac{-4}{5}$ radians

#80) $\frac{4}{7}$ radians

#82) 2 radians

#84) $3 \cdot \pi$ feet ≈ 9.42 feet

#86) $5 \cdot \pi$ centimeters ≈ 15.71 centimeters

Solutions to even questions p451 #88–98 evens

#88) 686.4 miles

#90) 4045.7 miles

#92) 0.078 radian $\approx 4.49^\circ$

#94) 275°

#96) a) 3400π radians per minute

1700π radians per minute

b) 850 revolutions per minute

#98) a) $\frac{14 \cdot \pi}{3}$ feet per second

b) ≈ 10 miles per hour