

Angular Displacement

Solve the following problems

- (Walker, p. 300, #1) The following angles are given in degrees. Convert them to radians:
 - 30°
 - 45°
 - 90°
 - 180°
- (Walker, p. 300, #2) The following angles are given in radians. Convert them to degrees:
 - $\pi/6$
 - 0.70π
 - 1.5π
 - 5π
- A person turns from facing east to facing 30° north of west. What is the person's angular displacement in radians?
- What is the angular displacement of the hour hand of a clock it goes from 2:00 PM to 7:00 PM?
- What is the angular displacement of the Sun at the solar equinox when the sun has gone $\frac{3}{4}$ of the way through the sky?
- What is the angular displacement of the hour hand of the clock for the same time equivalent as problem 5?