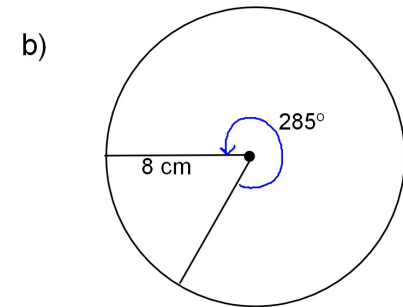
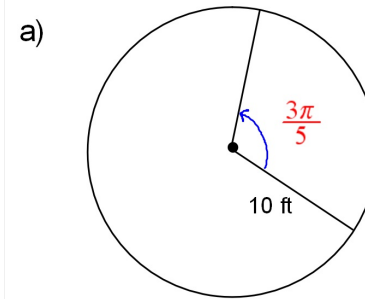


1. In which quadrant or on which axis is the terminal side of each angle?

a)  $\theta = \frac{29\pi}{7}$                       b)  $\theta = -\frac{73\pi}{10}$

3. The wheel on a car has a radius of 15 inches. The car tire turns through an angle of  $75.2\pi$  radians. Find the distance the car traveled in feet.

2. Find the length of each intercepted arc. For a) give answer in terms of  $\pi$  and for b) round to the nearest tenth.



4. The wheel on a large truck has a radius of 18 inches. When the truck has traveled 25,000 miles find the number of rotations that the wheel has made.

Hint: you'll need the fact that 1 mile = 5280 feet  
and 1 foot = 12 inches