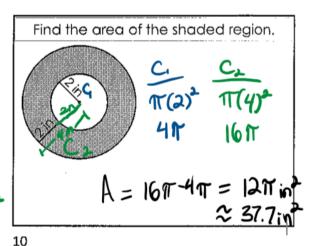
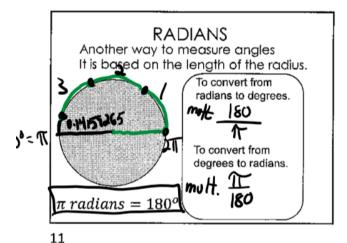


Given arc XY is 90° and ZX = 8

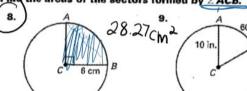
Find the shaded area.  $\frac{X}{360} = \frac{1}{3}(8)(8)$   $\frac{X}$ 

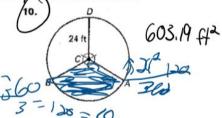




Convert from radians to degrees  $\frac{180}{2} \cdot \frac{180}{7} = 90^{\circ}$   $\frac{34}{4} \cdot \frac{180}{7} = 135^{\circ}$   $\frac{45^{\circ}}{6} \cdot \frac{180}{7} = 240^{\circ}$   $\frac{135^{\circ}}{12} \cdot \frac{17}{180} = \frac{377}{4}$   $\frac{184}{12} \cdot \frac{180}{77} = 270^{\circ}$   $300^{\circ} \cdot \frac{17}{180} = \frac{577}{3}$ 

Find the areas of the sectors formed by ACB. round to the searest hundredths.





Convert the following radians measures to degrees.

$$\frac{11}{9} \cdot \frac{160}{\pi} = 140^{\circ}$$

$$(12.)\frac{5\pi}{4} = 225^{\circ}$$

Homerock

39

Find the area of each sector. Round your answers to the nearest tenth.

13)



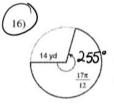
14)



(15)



11(4)<sup>2</sup>(270) 360



T(H)<sup>2</sup>(255) 360

436.2 18

Find the area of each sector. Do not round.

17)



18)



19



20)



21) 
$$r = 10 \text{ mi}, \ \theta = \frac{\pi}{2}$$

22) 
$$r = 12 \text{ yd}, \ \theta = \frac{5\pi}{3}$$

23) 
$$r = 7 \text{ km}, \ \theta = 60^{\circ}$$

24) 
$$r = 7 \text{ mi}, \ \theta = 225^{\circ}$$