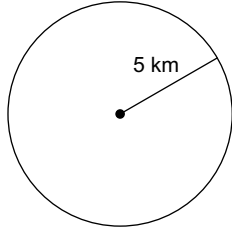


Circles/Arcs - circumference and area - SHOW WORK

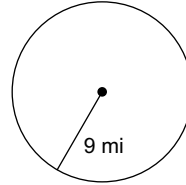
Find the circumference of each circle. Use 3.14 for the value of  $\pi$ .

Round your answer to the nearest WHOLE number.

1)

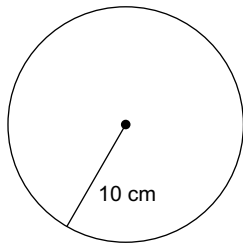


2)



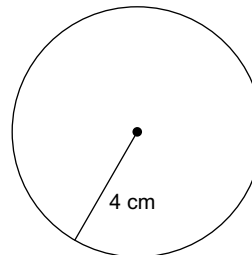
Find the exact circumference of each circle in terms of  $\pi$ .

3)



- A)  $22\pi$  cm
- B)  $14\pi$  cm
- C)  $20\pi$  cm
- D)  $16\pi$  cm

4)

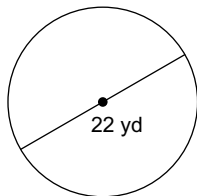


- A)  $4\pi$  cm
- B)  $8\pi$  cm
- C)  $12\pi$  cm
- D)  $6\pi$  cm

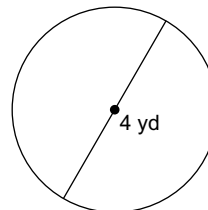
Find the area of each. Use 3.14 for the value of  $\pi$ .

Round your answer to the nearest WHOLE number.

5)

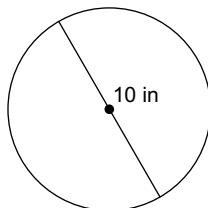


6)



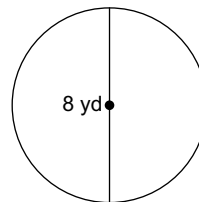
Find the area of each circle in terms of  $\pi$ .

7)



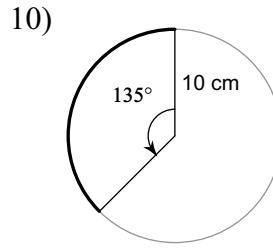
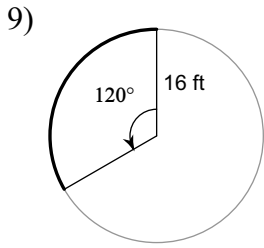
- A)  $9\pi$  in<sup>2</sup>
- B)  $36\pi$  in<sup>2</sup>
- C)  $64\pi$  in<sup>2</sup>
- D)  $25\pi$  in<sup>2</sup>

8)

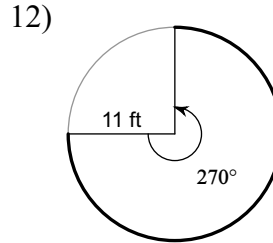
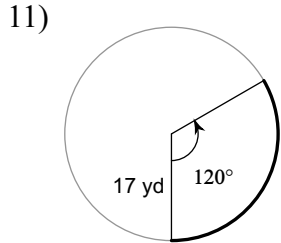


- A)  $36\pi$  yd<sup>2</sup>
- B)  $16\pi$  yd<sup>2</sup>
- C)  $4\pi$  yd<sup>2</sup>
- D)  $25\pi$  yd<sup>2</sup>

Find the length of each arc. Use 3.14 for  $\pi$ .  
Round your answers to the nearest **WHOLE** number.



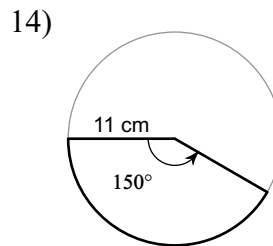
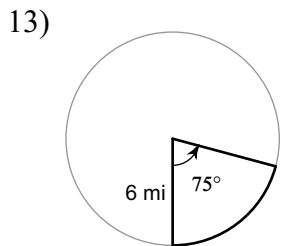
Find the length of each arc in terms of  $\pi$ .



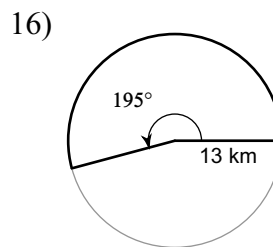
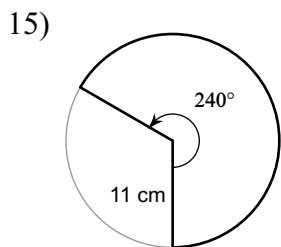
- A)  $\frac{640\pi}{3}$  yd      B)  $\frac{19\pi}{6}$  yd  
C)  $\frac{320\pi}{3}$  yd      D)  $\frac{34\pi}{3}$  yd

- A)  $200\pi$  ft      B)  $\frac{33\pi}{2}$  ft  
C)  $102\pi$  ft      D)  $\frac{363\pi}{4}$  ft

Find the area of each sector. Use 3.14 for  $\pi$ .  
Round your answers to the nearest **WHOLE** number.



Find the area of each sector in terms of  $\pi$ .



- A)  $\frac{187\pi}{12}$  cm<sup>2</sup>      B)  $29040\pi$  cm<sup>2</sup>  
C)  $\frac{35\pi}{2}$  cm<sup>2</sup>      D)  $\frac{242\pi}{3}$  cm<sup>2</sup>

- A)  $\frac{35\pi}{6}$  km<sup>2</sup>      B)  $\frac{2197\pi}{24}$  km<sup>2</sup>  
C)  $\frac{297\pi}{8}$  km<sup>2</sup>      D)  $\frac{539\pi}{6}$  km<sup>2</sup>