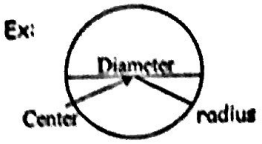
Circle Info

~Diameter (d): Length of a line through the center of a circle that touches both endpoints of a circle

Ex:



Pi (π) = 3.14 or $\frac{22}{7}$
Pi is an irrational number.

~Radius (r): Length of a line from the center of a circle to an endpoint in the circle (Half the diameter)

Circumference:

- What is circumference?
- Find the circumference for the given circles

Formula: $C = 2\pi r$ OR $C = \pi d$

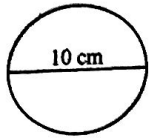
STEPS TO FOLLOW

- Write formula
- Substitute numbers for variables
- Answer

1)

2) A circle with the radius of 9.7 m.

3)



4) A circle with the diameter of 27 m.

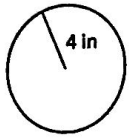
Area of Circles:

STEPS TO FOLLOW

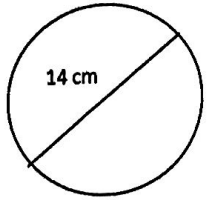
- Write formula
- Substitute numbers for variables
- Answer

**Area of circle: $A = \pi r^2$

1)



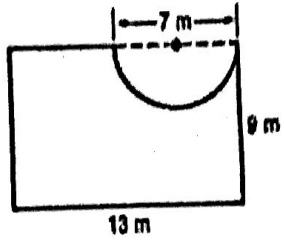
2)

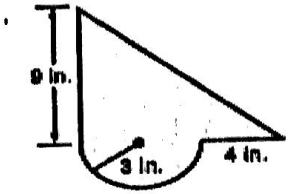


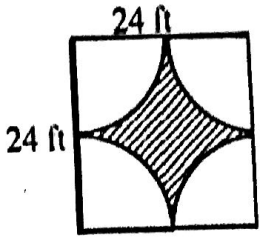
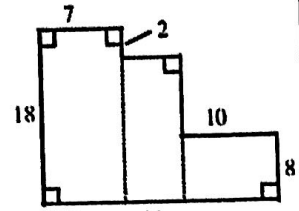
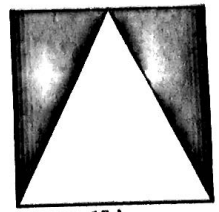
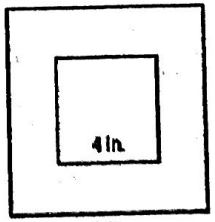
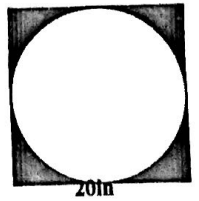
3) Find the area of a circle with a radius of 7.2 feet.

4) Find the area of a circle with a diameter of 11 in. Use $\frac{22}{7}$ for π

Find the Area of the Shaded Regions.







Find the Area and Perimeter.