

# Circles Practice Three Name: $A = \pi r^2$ $C = \pi d$ $C = 2\pi r$ $\pi = 3.14$

Directions: Read each question carefully and show all work by using the space(s) provided...put a box or circle your final answer.

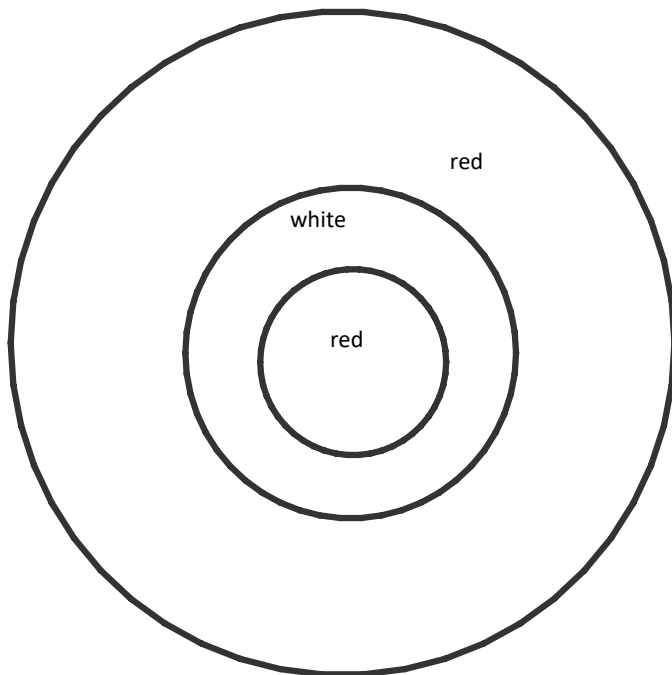
1. If the radius of a circle is 9 cm, what is the circumference and area?( 4 marks)

2. If the area of a circle is 2289.06 m<sup>2</sup>, what is the radius and diameter?( 4 marks)

3. If the circumference of a massive circle is 131.88 km's, what is the radius and diameter?( 4 marks)

4. A new company is making a sign, similar to the Target logo...what is the total area of the sign that will be painted white and red?

The diameter of the smallest red circle is 18 m, radius of the medium white circle is 13 m, and the diameter of the largest red circle is 57 m.( 4 marks)



5. If the area of a circle is  $1017.36 \text{ cm}^2$ , what is the circumference?( 4 marks)

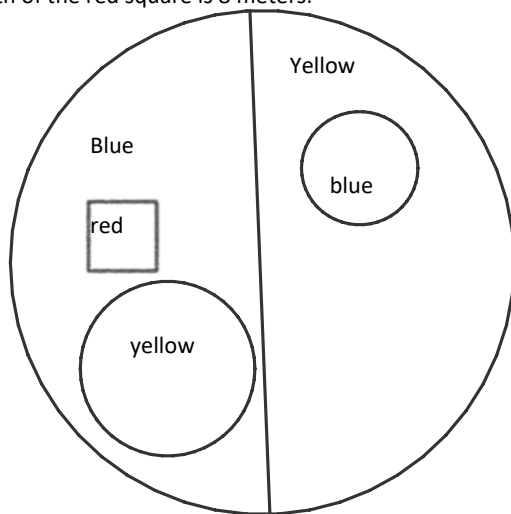
6. What is the total area that will be painted blue?  
What is the total area that will be painted yellow?  
What is the total area that will be painted red?

The radius of the large circle is 30 meters. This circle is half yellow and half blue.

The radius of the small blue circle is 10 meters.

The diameter of the yellow circle is 26 meters.

The length of the red square is 8 meters.



Bonus: Solve the following:( 1 mark)

$$5(4+1) - (3^2 + -5) (4 - 7) + [-14 - 6(2)]$$