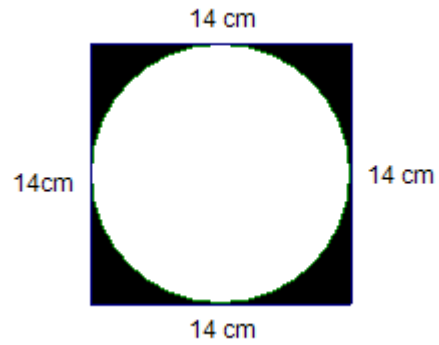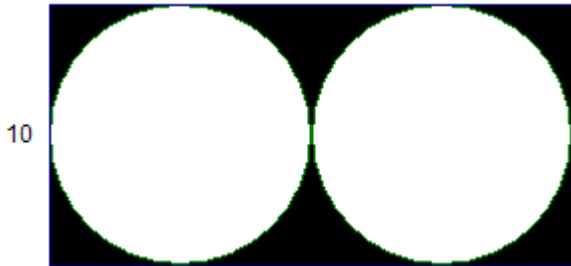1) Find the area of the shaded region if the big diameter is 12 in, and the small diameter is 8 in.

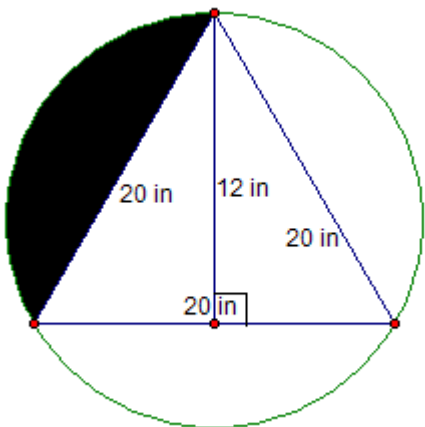2) Find the area of the shaded region.

14 cm

14cm 14 cm

14 cm

3) Find the area of the shaded region:

10
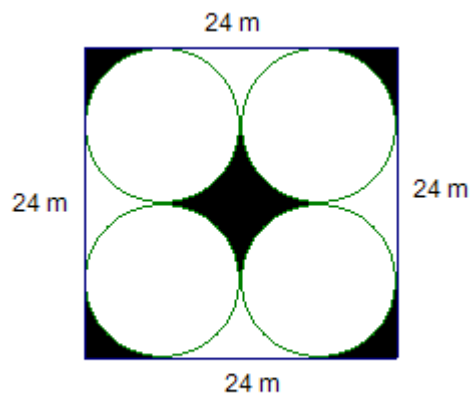

4) Find the area of the shaded region

20

5) Find the area of the shaded region if the radius of the circle is 9 in,
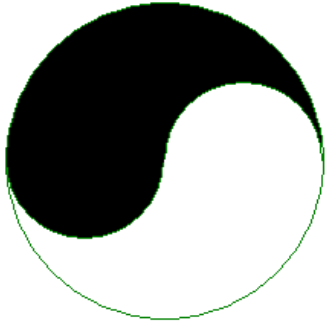
20 in 12 in

20 in

20 in

6) Find the area of the shaded region

24 m

24 m 24 m

24 m
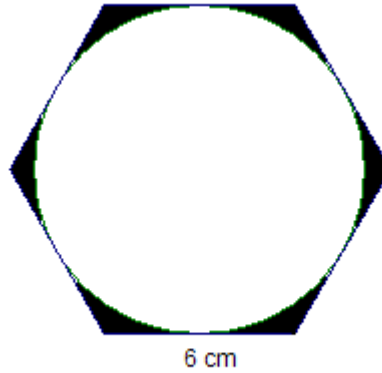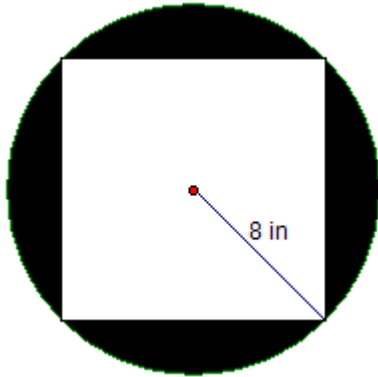
7) Find the area of the shaded region
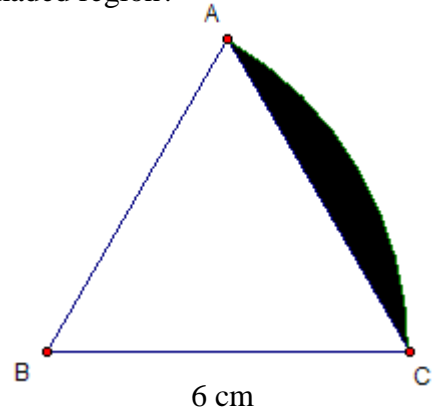   if the radius of the big circle is 12 cm.
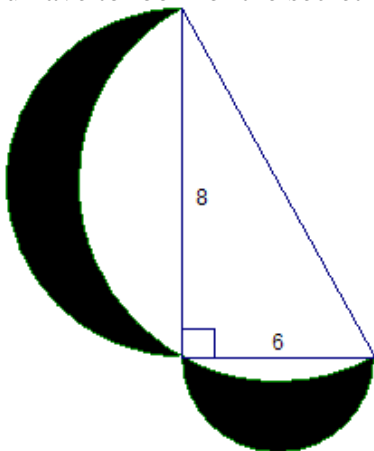
8) Find the area of the shaded region

6 cm

9) Find the area of the shaded region.

8 in

10) Triangle ABC is equilateral. The arc is part of a
    circle with center B and radius BA. What is the
    area of the shaded region?

A

B

C

6 cm

11) Find the area of the shaded area in this
    figure in which each side of the right
    triangle has a semicircle created using
    the side as the diameter. This is one of those
    you have to look for the secret ones:-)

8

6

12) This problem is wicked hard!!! If you don't want
    to do it, don't :-(If you want a challenge, give it a
    try. Find the area of the shaded region. I left some
    some points in there to get you started.

6 cm