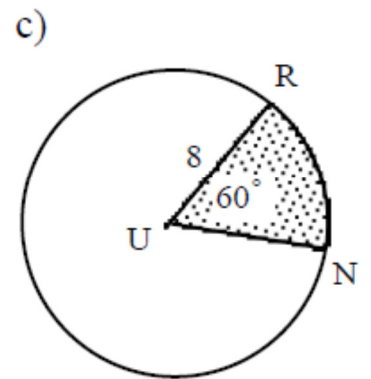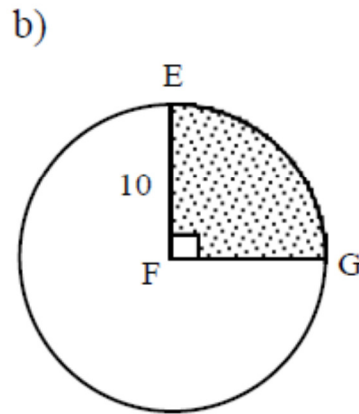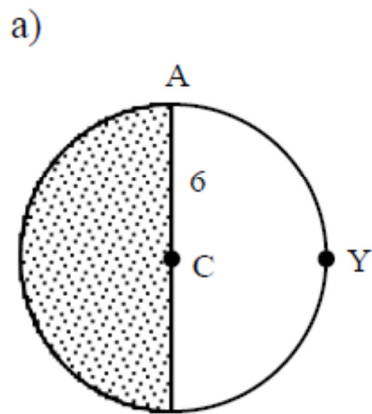Note: Need Help? Read p516 in your textbook.

The shaded regions in circles that resemble pieces of pie in the next problem are called **SECTORS** of a circle. **Sectors** are formed by the two radii of a central angle and the arc between their endpoints on the circle.

DIRECTIONS: Use your knowledge of arcs and areas of circles to find the area of the shaded sector. C, F, and U are the centers of their respective circles. All radii lengths are in feet.

a)

b)

c)

Try it!

3.   Find the area of the shaded sector in each circle below. Points A, B and C are the centers.

a)

b)

c)