Math 7 Period_____   Name_____

7.3.8B Homework Set   Date_____
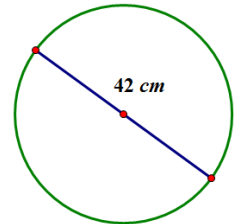
14 cm

1. Find the circumference in the following 3 ways:

   a. Give an exact answer in terms of π. _____

   b. Use *the* π button on your calculator and express your answer to the nearest hundredth._____

2. Find the circumference in the following 2 ways:

   42 cm

   a. Give an exact answer in terms of π. _____

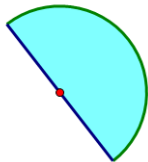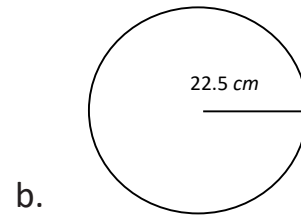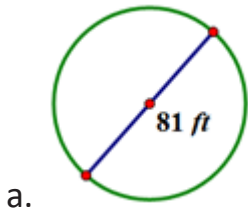   b. Use *the* π button on your calculator and express your answer to the nearest hundredth._____

3. Ken's landscape gardening business makes odd shaped lawns, which include semicircles. Find the length of the edging material needed to border the lawn design. Round to the nearest whole number.

       The diameter of this flower bed is 5 m.

4. The following circles are not drawn to scale. Find the **area** of each circle. Round to the nearest **thousandths place**.

81 ft

a.

22.5 cm

b.

5. Using the figure below, find the **area** of the circle. Round to the **tenths place**.

10 cm