Show all work for full credit. All decimals should be correct to 3 decimal places.
1. Decide whether the statement is true or false. Explain all answers. (2 points each)
(If the statement is false, give a counterexample as well as an explanation.)
You should not just give the definitions!
a. Every regular quadrilateral is a rectangle.

b. All closed curves are simple.

c. Every rhombus is a kite.

d. Every right triangle is isosceles.

e. Every kite is a rectangle.
3. Find the perimeter of each of the following. Give units. (2 points each)

   a. 
   
   b. 

   c. 

4. An arc of measure 52cm on a circle with radius 18cm could be created using a central angle of ___________ . (2 points) 

5. Determine the radius of an arc whose central angle is 128° and whose arc length is 34cm. (2 points)