Date: _____

Circle: The Relationship between Circumference and Diameter

1. Define these terms:

   a. circumference - _____

   _____

   b. diameter - _____

   _____

   c. radius - _____

   _____

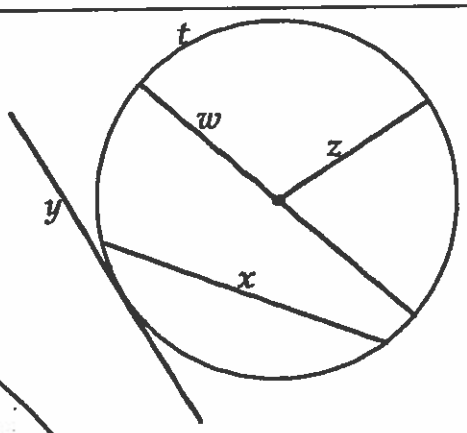
2. Which letter in the diagram at right shows:

   a. the diameter - _____

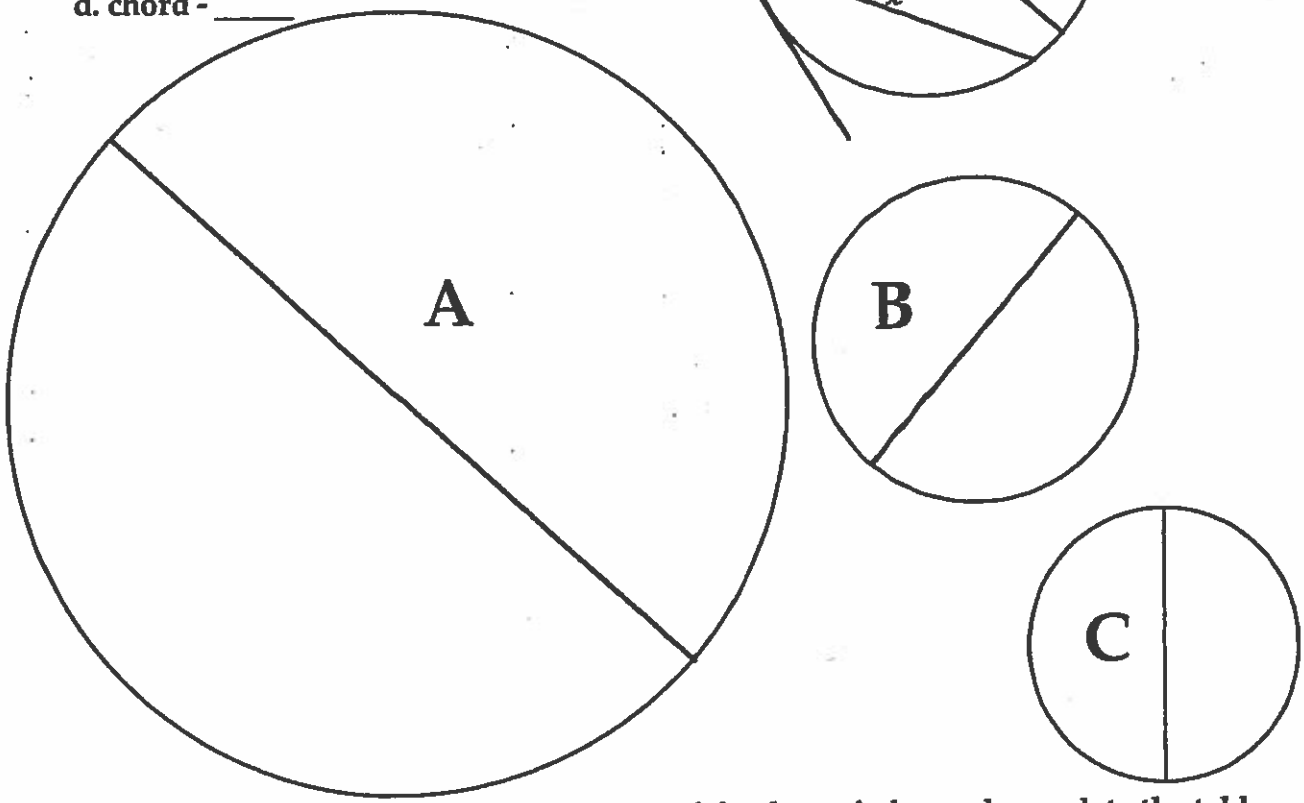
   b. the radius - _____

   c. the circumference - _____

   d. chord - _____



3.



Measure the diameter and circumference of the three circles and complete the table.
NOTE: Round answers to two decimal places.

CIRCLE	CIRCUMFERENCE (C)	DIAMETER (D)	C ÷ D
A			
B			
C			

What number do you keep getting for C ÷ D? _____

4. Complete the sheet, "Radius, diameter, and circumference".

5. Once you have completed the sheet, record your results below and complete the chart below.

CIRCLE	CIRCUMFERENCE (C)	DIAMETER (D)	C ÷ D
Coin			
Tuna Can			
Soup Can			
Apple Juice Can			

What number do you keep getting for C ÷ D? _____