Name:		Date:
7R		Classwork 11.2
	Circumference	
Aim: How can we find the circumfe	rence of a circle given the ra	adius or diameter?
<u>Circumference</u> :		
• Circumference is the distar	ice around a circle; it is like	perimeter.
The formula for circumferent	ace of a circle is:	= 2πr_
	circumference	radius
The question can say	1	
Round your answer		
Leave in terms of π		
Use 3.14 for π		
Example 1: "Using the Pi Button"		
Find the circumference of the circle	to the right. Round your ar	nswer to the nearest <u>tenths</u> place.
What do you know? What	at do you need to find?	r = 2
Step 1: Write out the formula	F	,,
Step 2: Substitute	S	
Step 3: Do the math.	M	
Step 4: Round and label your answ	er U	
On your calculat	or: 📵 🦳 🦳	

x 2

π

Try It!

Find the circumference of the circle to the right. Round your answer to the nearest <u>hundredths</u> place.

What do you know?	What do you need to find?



Step 1: Write out the formula

F

Step 2: Substitute

S

Step 3: Do the math.

M

Step 4: Round and label your answer

U

Example 2: "Leaving in Terms of Pi"

Find the circumference of a circle whose radius is 10 yards. Leave your answer in terms of π .

F

S

M

U

Try It!

Find the circumference of a circle whose diameter is 8 inches. Leave your answer in terms of π .

Example 3: "Using 3.14 for Pi"

A round table has a diameter of 35 inches Find the **circumference** of the table. Use 3.14 for π .

F

S

M

U

Try It!

A wheel has a diameter of 28 inches. What is the approximate distance around the outside of the wheel? Use 3.14 for π .

On your own: Answer the following questions. Show your work.

1)	Mike purchases a round wall clock. The clock's radius is 10 inches. What is the circumference of the clock? Round your answer to the nearest <u>hundredths</u> place.
	F
	S
	M
	U
	Circumference =
2)	Lisa bought a cookie cake with a radius of 8 cm. What is the circumference of the cookie cake? Leave your answer in terms of π .
	F
	S
	M
	U
	<i>Circumference</i> =
3)	Megan bought round plates for her mom for Christmas. The diameter of the plates is 11 inches. What is the circumference of the clock? Use 3.14 for π .
	F
	S
	M
	U

Circumference = _____