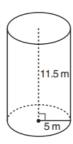
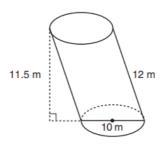
2 Work o

1. Put Take Home Quiz in the folder

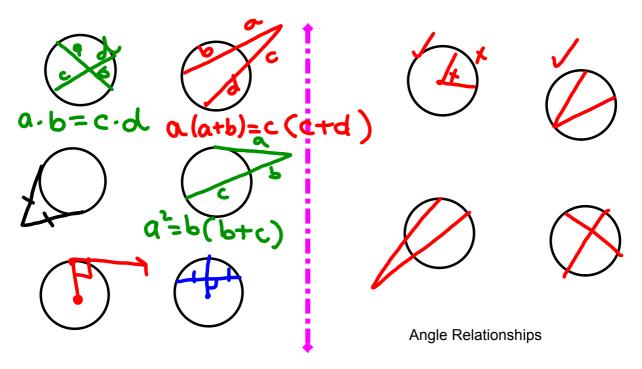
- 2. Work on #25 from Aug 2017
- 3. Have HW 12-5 out on desk
- 4. Regents Review #1 Due tomorrow (There should be no reason to turn in problems with the wrong answers)

25 Sue believes that the two cylinders shown in the diagram below have equal volumes.





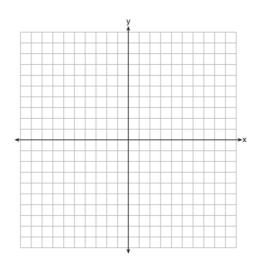
Is Sue correct? Explain why.



Segment Relationships

32 Triangle PQR has vertices P(-3,-1), Q(-1,7), and R(3,3), and points A and B are midpoints of \overline{PQ} and \overline{RQ} , respectively. Use coordinate geometry to prove that \overline{AB} is parallel to \overline{PR} and is half the length of \overline{PR} .

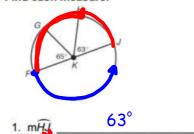
[The use of the set of axes below is optional.]

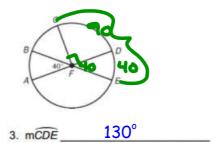


Geometry HW 12-95
 Name_____

 Period_____
 Date_____

Find each measure.



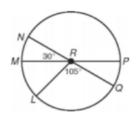


2. mFGH _____

4. mBCD ___140°

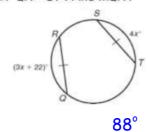
75°
5. mLMN _____

6. mLNP _____225°

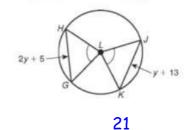


Find each measure.

7. $\overline{QR} \cong \overline{ST}$. Find \widehat{mQR} .



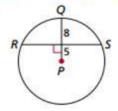
8. ∠HLG ≅ ∠KLJ. Find GH.



 $\chi^{2}+50^{2}=70^{2}$

Multi-Step Find each length to the nearest tenth.

9. RS



10. EF



D 50 C 20 To

98.0

11. Find the radius and the center of each circle:

a.
$$(x + 6)^2 + y^2 = 36$$

b.
$$x^2 + (y - 7)^2 = 100$$

Radius

24.0

Center

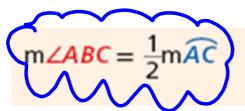
(0, 7)

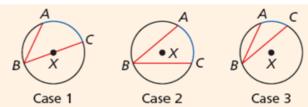
Inscribed Angle Theorem

Where's the Vertex??

The measure of an inscribed angle is malf the measure of its Intercepted arc.

Orc \rightarrow 2 \times \frac{\dagger}{2} \arc

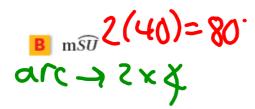


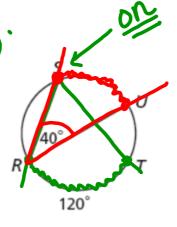


Example 1: Finding Measures of Arcs and Inscribed Angles

Find each measure.

 $A = \frac{1}{2}(120) = 60$





TRY IT!!

1)
$$m\widehat{ADC}$$

2(135)=270

A

2 (135)=270

A

3 | 135°

A

1 | 2 | (76) = 38°

Hypothesis

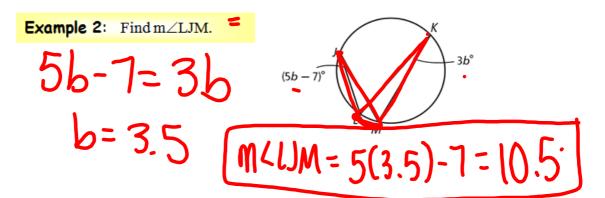
Conculsion

If inscribed angles of a circle intercept the same arc or are subtended by the same chord or arc, then the angles are congruent.

Hypothesis

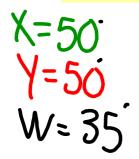
Conculsion

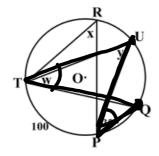
LACB = LADB = CAEB

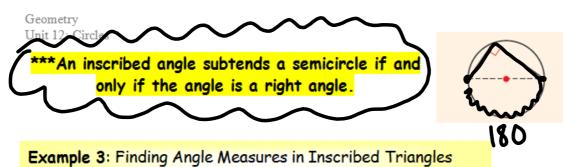


TRY IT!!

Find w, x, and y.

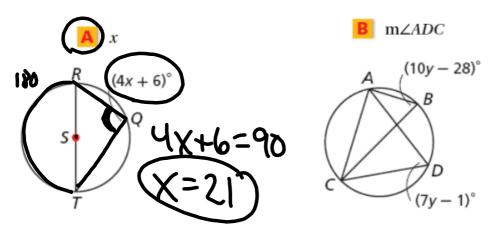






Administration of the language of the language

Find each value.



TRY IT!!

Find each value.

