

Heritage High School – Distance Learning
Mr. Leong’s Geometry Assignment Packet
April 28 – May 1

Due Date: Monday, May 4 by 9:00am
Late work will not be accepted

Quiz: 14 question quiz on the Circles Unit (last 3 weeks).

Students with internet access should go to <https://joinmyquiz.com/> and use code 023971. Please read the directions on the next page on accessing Quizzizz. You will only have 1 attempt on this quiz so you will be prompted to create an account before you take it.

Students with limited internet access can print and complete the quiz (attached). Email me a scan/photograph of your work or submit paper copies to the main office on Monday from 12-3pm.

Reading: Chapter 11.4 (pp.618-620)

Videos: Students with internet access should watch these videos related to the chapter 11.4 examples.

<https://bit.ly/2xhG1rm>
<https://bit.ly/2SdmpvI>
<https://bit.ly/3aIzF1R>
<https://bit.ly/2zCF8KL>

<https://bit.ly/2KBsZYR>
<https://bit.ly/3cR2vyv>
<https://bit.ly/2W50tUD>
<https://bit.ly/2YaNHqr>

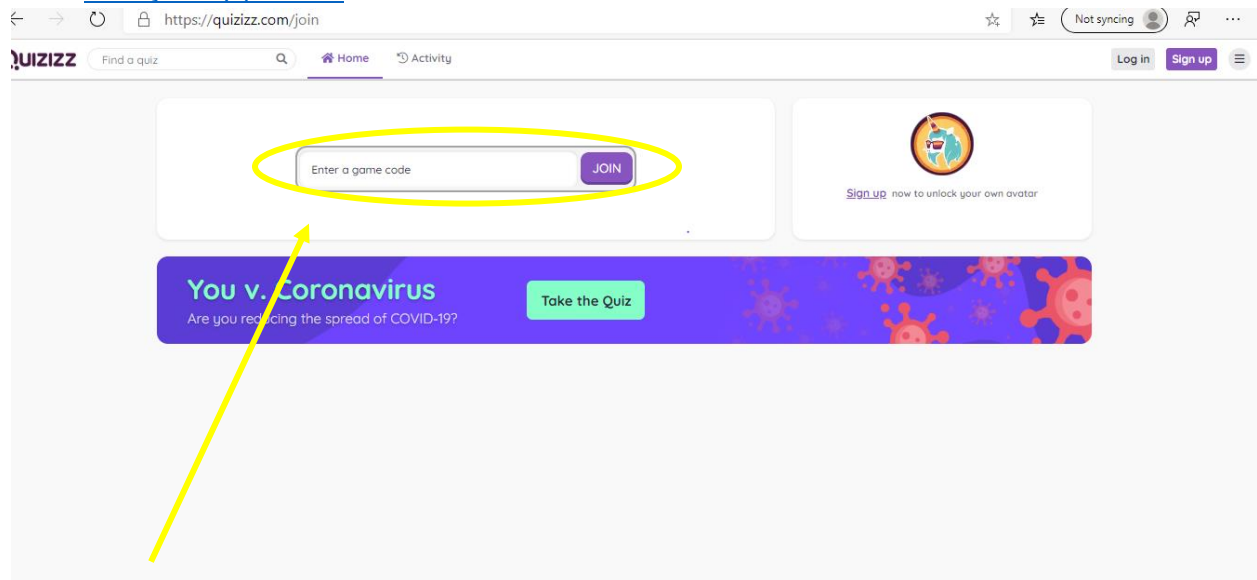
<https://bit.ly/2KBtbY5>
<https://bit.ly/2xj9bq8>
<https://bit.ly/2VHamsz>
<https://bit.ly/2KHcdYm>

Exercises: p.621 #3-18
*Please submit your answers through Clever and the Big Ideas Math site.
Those with limited internet access can email me a scan/photograph of their work.
Those without internet access may submit paper copies to the main office on Monday from 12-3pm.*

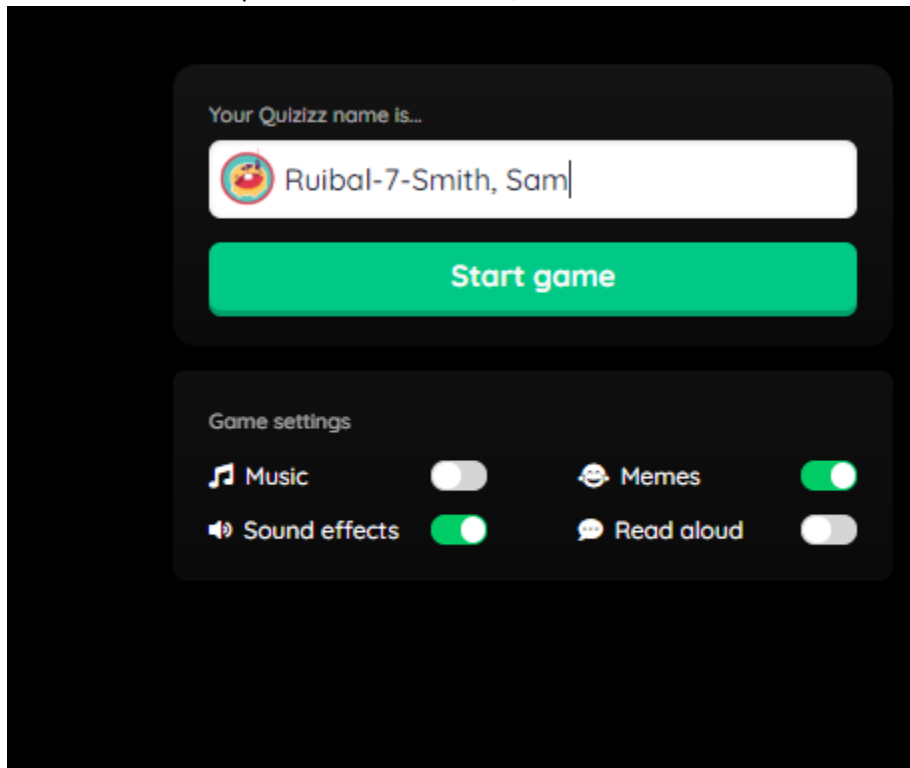
Contact: leongc@luhsd.net
925.634.0037 ext. 6305
Remind @Insgmnt
Zoom office hours (see my website for links)

Accessing "Quizizz"

- 1) Go to www.joinmyquiz.com



- 2) Enter the game code provided by your teacher
- 3) Click "Join"
- 4) You must use the following convention for your name to receive credit:
Teacher last name- period- Your last name, first name



- 5) Click "Start Game"

QUIZIZZ

Circles Unit Assessment

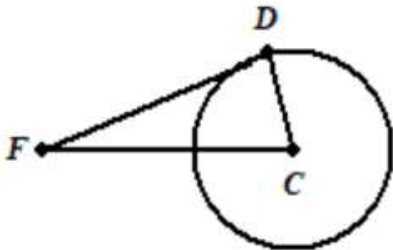
14 Questions

NAME : _____

CLASS : _____

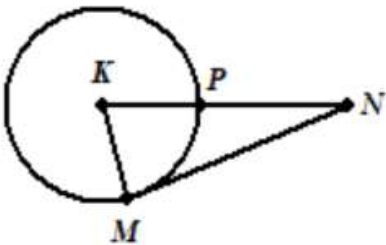
DATE : _____

1.



In the diagram, $CD=15$ and $CF=39$. If segment DF is tangent to circle C , then $DF=_____$.

2.



In the diagram, point M is a point of tangency, $NM=336$, and $NP=294$. What is the radius of circle K ?

3. Find the area of a sector with a radius of 11.1 m and central angle of 148° .

a) about 159.13 m^2

b) about 58.16 m^2

c) about 116.33 m

d) about 25.07 m

4. Radius of a circle with a sector area of 25 square meters and a central angle of 14° .

a) about 3.09 m

b) about 9.71 m^2

c) about 4.77 m

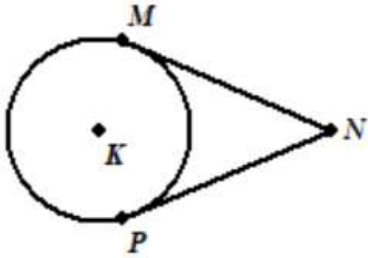
d) about 14.30 m

5. In the diagram, $VW=3$, $WX=4$, and $VX=8$. Is segment WX tangent to circle V ?

a) Yes

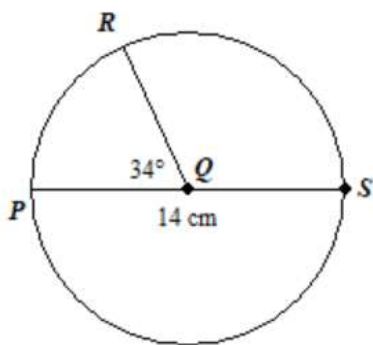
b) No

6.



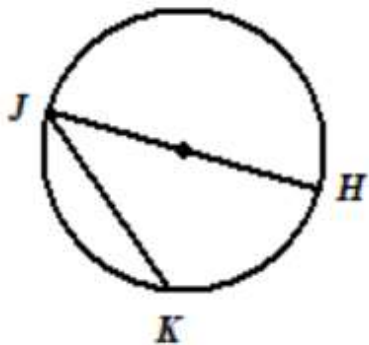
In the diagram, segment MN is tangent to circle K at M , segment NP is tangent to circle K at P , $MN=128$ and $NP=2x+70$. Find the value of x .

7.



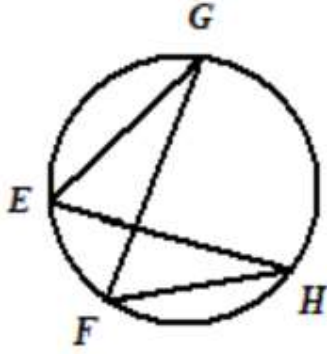
The diameter of circle Q is 14 centimeters. Find the arc length of arc PR .

8.



In the diagram, $m\angle J=39.5^\circ$. Find the measure of arc JK .

9.

In the diagram, $m\angle E = 59^\circ$. Find $m\angle F$.

10. The circumference of a circle is 34 centimeters. Find the radius of this circle.

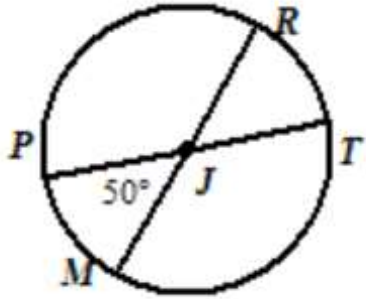
11. A Ferris wheel is 400 ft in diameter. How far will a person riding on the Ferris wheel have traveled (in miles) when the wheel makes 59 revolutions? (1 mi = 5280 ft)

- a) $23,600\pi$ ft b) about 14.04 mi
 c) 23,600 ft d) 4.47 mi

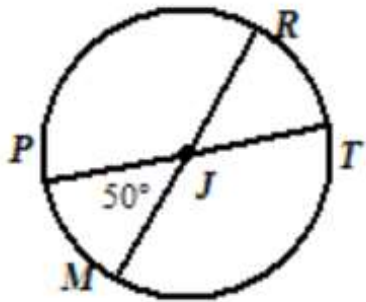
12. Calculate the area of a circle with a diameter of 10.8 cm.

- a) 116.64π cm² b) 366.25 cm²
 c) 91.56 cm² d) 67.91 cm²

13.

Find the measure of arc PR .

14.

Find the measure of arc MPR .