Date	Target	Assignment	Done!
R 2-15	9.1a	9.1a Worksheet	
F 2-16		10:40 Release	
T 2-20	9.1b	9.1b Worksheet	
W 2-21	9.2	9.2 Worksheet	
R 2-22	REV	9.1-9.2 Review	
F 2-23	Quiz	Quiz 9.1-9.2	
M 2-26	9.3	9.3 Worksheet	
T 2-27	9.4a/9.4b	9.4a/9.4b Worksheet	
W 2-28	9.4c	9.4c Worksheet	
R 3-1	REV	9.3-9.4 Review	
F 3-2	Quiz	Quiz 9.3-9.4	
M 3-5	9.5	9.5 Worksheet	
Т 3-6	Quiz	Review/Quiz 9.5	
W 3-7	REV	Unit 9 Test Review	
R 3-8	REV	Unit 9 Test Review	
F 3-9	Test	Unit 9 Test	
M 3-12	Test	Unit 9 Test	

Target 1 – Understand, identify and apply basic facts of a circle

Target 2 –Understand and apply information about angles formed inside of a circle

Target 3 - Understand and apply information about angles formed inside of a circle

Target 4 – Identify and apply angle relationships of segments formed by tangents, chords, and secants to find unknown lengths

Target 5 - Write and apply information about the equation of a circle

Name:_____

9.1 – Circle Facts Day 1 Target 1 – Understand, identify, and apply basic facts of a circle

Vocabulary	Definition	Annotate Here
Circle		<u>Annoiche Here</u> Dizze Dizze
Radius		
Diameter		
Circumference		

Vocabulary	Definition	
Central Angle		
Arc Measure		
Minor Arc		<i>Notation</i>
Major Arc		Notation
Semicircle		



Facts of Measuring Arcs

- 1) The measure of the entire circle is ____
- 2) The measure of the major arc is the difference between _____ and the measure of the related minor arc.
- 3) The measure of a semicircle is _____.





Unit 9 Circles 2017 - 2018 Example 3: Solve problems involving area



9.1 Day 2– Arc Length and Sectors Target 1 – Understand, identify, and apply basic facts of a circle



Unit 9 Circles 2017 - 2018 *Example 2: Find the area of sectors*



9.2-Angles Formed Inside of a Circle Target 2 – Understand and apply information about angles formed inside of a circle **Vocabulary** Annotate Here Tangent: Chord: Inscribed angle: Intercepted arc: Relationship #1 Chord/Chord -Measure of an Inscribed Angle and Polygons Inctercepted Arc The measure of an inscribed angle is _____ the measure of its intercepted arc. • C What do you notice about ∠HGJ and ∠HFJ? Example 1: Use inscribed angles. Find the indicated measure in Circle P. a) *m∠S* b) $m\widehat{RO}$ 60° **Inscribed Angles, Same Intercepted Arc** If two inscribed angles of a circle intercept the same arc, then the angles are _____. Example 2: Find the measure of an intercepted arc Find $m \angle HGI$ and $m \angle \widehat{HI}$. What do you notice about $m \angle HGI$ and $m \angle HFI$?







9.3— Angles Formed Outside of a Circle Target 3 – Understand and apply information about angles formed outside of a circle

Angles Outside the Circle Theorem			<u>Annotate Here</u>		
If a tangent and a se angle formed is the measures of the i					
<u>Secant/Secant</u>	<u>Tangent/Tangent</u>	<u>Tangent/Secant</u>			
Example 1: Find an angle I Find the value of x. Th outside the circle.	measure outside a circle e tangent GF and the	secant \overline{G} intersect			
Now the indicated measure or the value of the variable.					
2. Find the value of x.	(5x -	+10)° (3x +4)° 30°			

9.4a – Properties of Tangents Target 4 – Understand and apply relationships of segments formed by tangents, chords, and seconds to find unknown lengths



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9.4b – Properties of Secants Target 4 – Understand and apply relationships of segments formed by tangents, chords, and secants to find unknown lengths



9.4c– Properties of Chords Target 4 – Understand and apply relationships of segments formed by tangents, chords, and secants to find unknown lengths





Target 5 – Write and apply information about the equation of a circle



Unit 9 Circles 2017 - 2018 Now TRY NOW

1) Write the equation of the circle shown.

2) Write the standard equation of a circle with center (0, -5) and radius 3.7.

3) The point (-1, 2) is on a circle with center (3, -3). Write the standard equation of the circle.

4). The equation of a circle is $(x + 2)^2 + (y - 1)^2 = 9$. Graph the circle.

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- $+ y^2 = 36$ $x^{2} + (y + 5)^{2} = 13.69$ 2.
- $(-3)^2 + (y+3)^2 = 41$ 3.
- 4.









Annotate Here

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