

Geometry Honors
Unit 8(Chapter 10) Circles

_____ 10-1 Circles and Circumference
p. 687 11-41 odd

_____ 10-2 Measuring Angles and Arcs
p. 698 12-15 all, 25-41 odd, 42-51, 61 all

_____ 10-3 Arcs and Chords
p. 704 1-13 odd, 16-19, 21-23, 31-33 all

_____ 10-4 Inscribed Angles
p. 714 1-19 odd, 23-30 all

_____ 10-5 Tangents
p. 722 7, 8, 13-27, 44-49

_____ 10-6 Tangents, Secants and Angle Measures
p. 731 1-25 odd, 26-28, 37, 46-48

_____ 10-7 Special Segments in a Circle
p. 740 7-21 odd, 22, 26, 32

_____ 10-8 Equation of Circles
p. 746 1-7 odd, 11-17 odd, 19-28, 33-35, 37

_____ 11-3 Area of Sectors and Circles
p. 786 32, 34, 35, 40

March/April

| Monday | Tuesday | Wednesday | Thursday | Friday |
|---|---------------------------|--------------------------------------|--------------------|-----------------------------------|
| 24 AIMS | 25 AIMS | 26 DOK | 27 10-1/Radians | 28 10-2 |
| 3 10-3 | 4 10-4 | 5 10-6 HW Quiz 10-1 to 10-3 | 6 10-6 | 7 10-1 to 10-4, 10-6 Review |
| 10 10-5 HW Quiz 10-4, 10-6 | 11 10-7 | 12 11-3 | 13 10-8 | 14 10-8 |
| 17 No School | 18 No School | 19 No School | 20 No School | 21 No School |
| 24 10-5, 10-7, 10-8 Review HW Quiz 10-5, 10-7, 10-8 | 25 Unit 8 Test Prep | 26 Unit 8 Test | 27 | 28 |

Essential Question: What is your favorite pizza?

- Use the basic properties of a circle (relationships between angles, radii, intercepted arcs, chords, tangents, and secants) to prove basic theorems and solve problems.
- Find structural similarities within different algebraic expressions and geometric figures.
- Solve problems by formulating one or more strategies, applying the strategies, verifying the solution(s), and communicating the reasoning used to obtain the solution(s).
- Find the length of a circular arc; find the area of a sector of a circle.
- Generalize a solution strategy for a single problem to a class of related problems; explain the role of generalizations in inductive and deductive reasoning.
- Determine an equation of a circle given its center and radius; given an equation of a circle, find its center and radius.