

CP Geometry

Mar 18-22, 2024
Chapter 11 Areas & Perimeters

Week Overview - March 18-22

Monday - 11.2 Area and Sector area link to Circumference and Arclength

- See future slide for details

Tuesday - Practice Day 11.2 Complete the online assignment

Wednesday - Review Chapter 11 Sections 1-3 on Perimeter and Areas

Thursday - **Quiz**

Friday - 11.4 on Solids and terminology

- See future slide for details

Monday: Section 11.2

- Watch AREA of a circle video:

https://static.bigideasmath.com/protected/content/hs_tut/geo/c11/02/HSCC_Geom_11_02_ee1/HSCC_Geom_11_02_ee1.html and take notes on SJ pg.322

- Discuss sector as a partial area
 - Watch video #3 about area of sector (partial area)
 - Watch video #5 on composite figure area with side lengths.
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- Complete student journal pg. 323 # 3-8 (exclude discussion)

Thursday ---- Quiz Objectives:

<p>Geometry Lesson 11.1 – Day 1: Circumference and Arc Length Essential Question: How can you find the length of a circular arc?</p>	<p>CC State Standards</p> <p>HSG-GMD.A.1 HSG-C.B.5 HSG-CO.A.1</p>	<p>CC Mathematical Practice Focus</p> <p>MP6, MP8</p>
<p>Lesson Objective(s): Students will use the formula for circumference. Students will use arc lengths to find measures. Students will solve real-life problems.</p>		
<p>Geometry Lesson 11.2 – Day 1: Areas of Circles and Sectors Essential Question: How can you find the area of a sector of a circle?</p>	<p>CC State Standards</p> <p>HSG-GMD.A.1 HSG-MG.A.2 HSG-C.B.5</p>	<p>CC Mathematical Practice Focus</p> <p>MP2, MP6</p>
<p>Lesson Objective(s): Students will use the formula for the area of a circle. Students will use the formula for population density. Students will find areas of sectors. Students will use areas of sectors.</p>		
<p>Geometry Lesson 11.3 – Day 1: Areas of Polygons Essential Question: How can you find the area of a regular polygon?</p>	<p>CC State Standards</p> <p>HSG-GMD.A.3</p>	<p>CC Mathematical Practice Focus</p> <p>MP1, MP2, MP3</p>
<p>Lesson Objective(s): Students will find areas of rhombuses and kites. Students will find angle measures in regular polygons. Students will find areas of regular polygons.</p> <p>Previous Learning: Earlier in the book, students found the areas of triangles and special quadrilaterals.</p> <p>New Vocabulary: center of a regular polygon, radius of a regular polygon, apothem of a regular polygon, central angle of a regular polygon</p>		

Friday: Section 11.4

Copy these notes onto a separate sheet of paper.

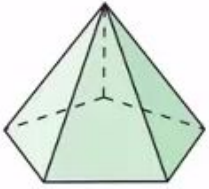
- Watch video #1
https://static.bigideasmath.com/protected/content/hs_tut/geo/c11/04/HSCC_Geom_11_04_ee1/HSCC_Geom_11_04_ee1.html
- Watch video #2
https://static.bigideasmath.com/protected/content/hs_tut/geo/c11/04/HSCC_Geom_11_04_ee2/HSCC_Geom_11_04_ee2.html
- Watch video #3
https://static.bigideasmath.com/protected/content/hs_tut/geo/c11/04/HSCC_Geom_11_04_ee3/HSCC_Geom_11_04_ee3.html

- Complete student journal pg. 329 - 333

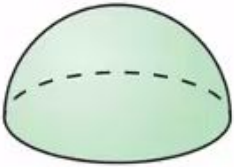
VIDEO pictures

Tell whether each solid is a polyhedron. If it is, name the polyhedron.

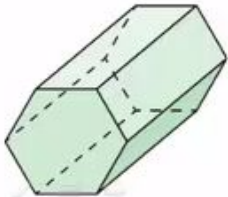
a.



b.



c.



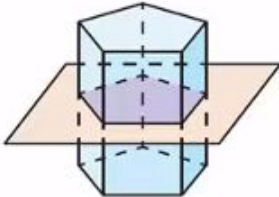
Describe the shape formed by the intersection of the plane and the solid.

a.



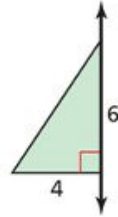
The solid

b.



Sketch the solid produced by rotating the figure around the given axis. Then identify and describe the solid.

a.



b.

