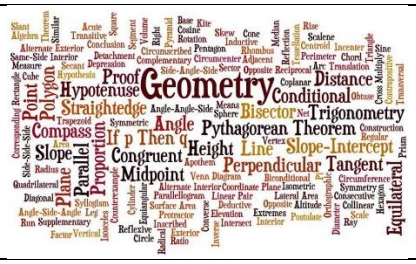

CHAPTER 4:

THREE-DIMENSIONAL FIGURES

Cornell Notes/Summary Sheet

Name: _____

Period: _____

Lesson 4.1 – Big Ideas	**Your Notes**
• Form solid figures by rotating plane figures • Relate the dimensions of solid figures & plane figures rotated to create the solid figures	
Lesson 4.2 – Big Ideas	**Your Notes**
• Form solid figures by translating plane figures, stacking congruent figures, & stacking similar figures • Volume formulas & transformations (see page 314)	
Lesson 4.3 – Big Ideas	**Your Notes**
• Cavalieri's principle for approximating the area of a two-dimensional figures • Cavalieri's principle for volume • Volume of irregular or oblique figures	
Lesson 4.4.D1 – Big Ideas	**Your Notes**
• Volume of prisms • Volume of cylinders	

Refer to the Chapter 4 Summary in your text: pages 367 – 375

Lesson 4.4.D2 – Big Ideas	**Your Notes**
• Volume of cones • Volume of square pyramids	
Lesson 4.5 – Big Ideas	**Your Notes**
• Volume of spheres & hemispheres	
Lesson 4.6 – Big Ideas	**Your Notes**
• Applications involving the volume of pyramids, cylinders, cones, & spheres	
Lesson 4.7 – Big Ideas	**Your Notes**
• Cross sections of cylinders, spheres, prisms, square pyramids, & cones • Shapes of cross sections parallel & perpendicular to the base of solid figures	
Lesson 4.8 – Big Ideas	**Your Notes**
• Three-dimensional diagonals: *What's the formula?*	