

Math 201 Final Exam Review  
Green Book

§16.1 – Shoeboxes Have Faces and Nets

How do you make a two-dimensional drawing of a three-dimensional object?

§16.2 – Introduction to Polyhedra

Describe a general prism.

Describe a general pyramid.

What is Euler's formula and how do you use it?

What is the minimum information needed to use Euler's formula for a prism?

What is the minimum information needed to use Euler's formula for a pyramid?

#### §17.1 – Review of Polygon Vocabulary

What is a polygon?

What is a polygonal region?

Define the following terms:

equiangular

equilateral

regular

acute triangle

right triangle

obtuse triangle

scalene triangle

isosceles triangle

equilateral triangle

right angle

perpendicular

acute angle

obtuse angle

straight angle

adjacent angles

supplementary angles

complementary angles

exterior angle

interior angle

What is the formula for angle sizes of a regular n-gon?

Do exercises 12 and 14.

§17.3 – Triangles and Quadrilaterals

Know the chart at top of page 413.

How do you use the chart to compare facts about the objects listed?

§23.1 – Key Ideas of Measurement

Review the chart at top of page 528.

How does conversion between metric units relate to the base 10 system?

How do you determine the best unit to use to measure something?

§23.2 – Length and Angle Size

How do you define perimeter?

How do you compute the perimeter of a polygon?

How do you compute the perimeter of a circle?

Do exercises 22 and 24.

§24.1 – Area and Surface Area

How does area compare to perimeter and volume?

How do you use rectangles to help compute triangular areas (activity 2)?

How do you compute surface area?

Do exercise 14.

§24.2 – Volume

What is volume?

How do you compute volume?

Do exercise 14.

§25.1 – Circumference, Area, and Surface Area Formulas

What is the formula for the following:

circumference of a circle

area of a rectangle

area of a parallelogram

area of a trapezoid

area of a triangle

area of a circle

How do you compute the surface area of a polyhedron?

Do exercise 18.

§25.2 – Volume Formulas

How do you compute the volume of  
a prism

a pyramid

a cone

a sphere

Do exercise 18.

§26.1 – The Pythagorean Theorem

What is the pythagorean theorem?

How do you use it to compute the length of a line segment?

Do exercise 14.

