

Rationals Unit

- Simplifying
- Graphing
 - Vertical asymptotes
 - Horizontal asymptotes
 - Holes
 - Zeros
 - Domain
- Multiplying & Dividing
- Adding & subtracting
- Complex fractions
- Work problems

Quadrilaterals unit

- Parallelograms and their properties
 - Rectangles
 - Rhombuses
 - Squares
- Kites
- Trapezoids
- Isosceles Trapezoids

Circles Unit

- Secants, Tangents, chords, diameters, radius
- Angles and the measures of their intercepted arcs (central angles, inscribed angles, “outsiders”, “insiders”)
- Minor arcs, Major arcs, semicircles
- Segment Lengths in a circle
- Incenter, circumcenter and centroid

Solids Unit (L, T, V formulas will be given)

- Lateral Area, Surface Area and volume of:
 - Cylinders
 - Prisms (Know how to find the apothem!)
 - Cones
 - Pyramids (Know how to find the apothem!)
 - Spheres

Trig Unit (blank unit circle will be provided for you to use if needed)

- What is a radian?
- Converting radians to degrees AND degrees to radians
- Arc Length and Sector area (know formulas!)
- Unit Circle
- Exact values of sin, cos and tan of angles on the unit circle
- Graphing Sin and Cos functions