Possible Spring Final Topics

* Given secants and/or tangents find missing arc measures and angle measures. (9.6 Notes Chart from your notebook)
* Find measures of angles inside circles.
* Use special right triangles to find missing sides and angles.
* Determine if 3 numbers can be the measures of the sides of a right triangle.
* Use the Pythagorean Theorem to solve for missing sides
* Know/Use facts about quadrilaterals inscribed in circles
* Determine the probability of hitting part of a shape.
* Use parallel lines in triangles to solve for missing parts (parallel lines and proportional parts)
* Parallel lines divide other lines proportionally
* Graph lines from equations or two points.
* Parallel lines have the \_\_\_\_\_\_\_ slope. Perpendicular lines have the \_\_\_\_\_\_ slope.
* Find slope, y intercept, x intercept given the equation of a line.
* Given circumference find radius and diameter.
* Find arc measure given other arcs.
* Given information about chords and radius find missing lengths (Pythagorean Theorem inside a circle)
* Use facts about lines tangent to circles.
* Write the equation of a circle given the center and radius, diameter, or circumference.
* Find the measure of an interior angle of a regular polygon.
* Find arc length.
* Find the volume of a sphere, hemisphere, prism, and pyramid.
* Know how inscribed angles are related to arc measure.
* Find the area of a semicircle, rhombus, trapezoid
* Use Law of Sines to find missing sides of a triangle.
* Find the area of a sector of a circle.
* Create ratios with sides of similar 3D shapes and know how to find ratios of their surface areas and volumes
* Solve proportions
* Set up proportions and solve them (similar triangles and the shadow problem)
* Use facts about similar polygons
* What can be used to prove triangles are similar.
* Use scale factor and dilations
* SOH-CAH-TOA use it to find a missing side, know which sides are “opposite”, “adjacent”, and “hypotenuse”, find missing angles (angle of depression)