Geometry 2ⁿᵈ Semester

- Vocabulary Review

⑩ An arc with a measure greater than 180.

Major arc

⑩ For a given circle, a segment with endpoints that are on the circle.

chord

⑩ Lines that do not intersect and are not coplanar.

Skew lines

⑩ An angle with a degree measure less than 90.

Acute angle

➓ Points that lie on the same line.

Collinear

➓ A measurable part of a line that consists of two points, called endpoints, and all of the points between them.

Line segment

➓ A triangle with all angles congruent.

Equiangular triangle

❿ A triangle with no two sides congruent.

Scalene

❿ Two polygons are _____ if and only if their corresponding angles are congruent and the measures of their corresponding sides are proportional.

Similar

⓾ A triangle in which all of the angles have degree measures less than 90.

Acute triangle

⓾ For an acute angle of a right triangle, the ratio of the measure of the leg opposite the acute angle to the measure of the leg adjacent to the acute angle.

Tangent

⑩ A triangle with an angle that has a degree measure of 90.

Right triangle

⑩ An arc with a measure less than 180

Minor arc

⑩ The locus of all points in a plane equidistant from a given point called the center.

Circle

⓾ Two nonadjacent angles formed by two intersecting lines.

Vertical angles

⓾ In a polygon, a segment that connects nonconsecutive vertices of the polygon.

Diagonal

- ⑩ A triangle in which one angle has a degree measure greater than 90 and less than 180.
    - Obtuse triangle
- ⑩ In a circle, any segment with endpoints that are the center of the circle and a point on the circle.
    - Radius
- ⑩ An equation that states two ratios is equal.
    - Proportion

❿ A quadrilateral with all four sides congruent.

Rhombus

❿ In a trapezoid, the segment that joins the midpoints of the legs.

Median

❿ A point is in the _____ of the angle if it does not lie on the angle itself or on a segment with endpoints that are on the sides of the angle.

Interior points

❿ Points that lie in the same plane.

Coplanar

⑩ A trapezoid in which the legs are congruent, both pairs of base angles are congruent, and the diagonals are congruent.

Isosceles trapezoid

⑩ An arc that measures 180.

Semicircle

⑩ In a triangle, a line, segment, or ray that passes through the midpoint of side and is perpendicular to that side.

Perpendicular bisector

⑩ A quadrilateral with four right angles.

Rectangle

🔟 Two angles with measures that have a sum of 90.

Complementary angles

🔟 The sum of the lengths of the sides of a polygon.

Perimeter

- ⑩ In a triangle, a segment from a vertex of the triangle to the line containing the opposite side and perpendicular to that side.

   Altitude

- ⑩ For a line that intersects a circle in only one point, the point at which they intersect.

   Point of tangency

- ⑩ A part of a circle that is defined by two endpoints.

   Arc

⑩ An angle that intersects a circle in two points and has its vertex at the center of the circle.

Central angle

⑩ A pair of adjacent angles whose noncommon sides are opposite rays.

Linear pair

⑩ A quadrilateral with parallel opposite sides.

Parallelogram

⑩ A quadrilateral with four right angles and four congruent sides.

Square

⑩ A convex polygon in which all of the sides are congruent and all of the angles are congruent.

Regular polygon

⑩ For an acute angle of right triangle, the ratio of the measure of the leg opposite the acute angle to the measure of the hypotenuse.

Sine

⓾ Lines that form right angles.

Perpendicular lines

⓾ Two angles with measures that have sum of 180.

Supplementary angles

⓾ A triangle with all sides congruent.

Equilateral triangle

⓾ Two angles that lie in the same plane have common vertex and a common side, but no common interior points.

Adjacent angles

⓾ Any line that intersects a circle in exactly two points.

Secant line

❿ Coplanar lines that do not intersect.

Parallel lines

❿ In a circle, a chord that passes through the center of the circle.

Diameter

⓾ A quadrilateral with exactly one pair of parallel sides.

Trapezoid

⓾ The distance around the circle.

Circumference

10. A line that intersects two or more lines in a plane at different points.

   Transversal

10. A ray that divides an angle into two congruent angles.

   Angle bisector

⑩ For an acute angle of a right triangle, the ratio of the measure of the leg adjacent to the acute angle to the measure of the hypotenuse.

Cosine