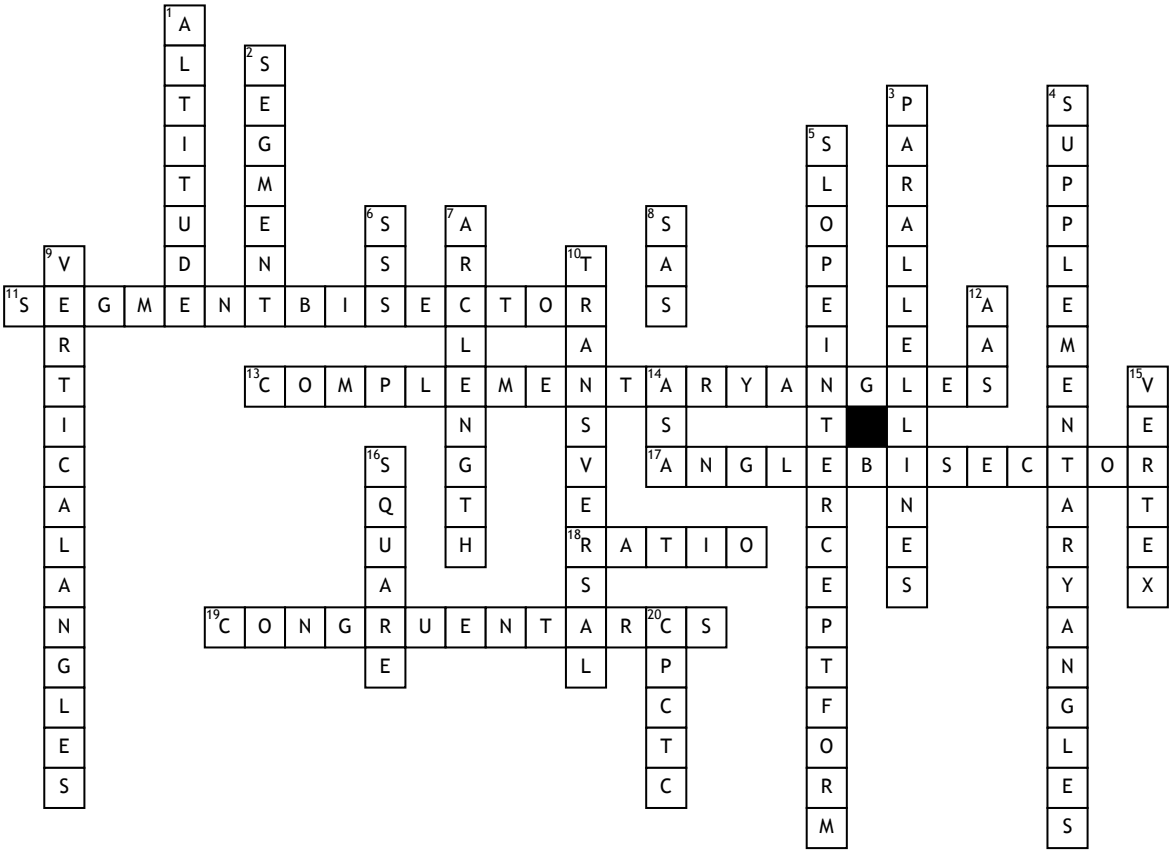
Name: _____ Date: _____

Geometry Crossword!



Across

11. A line,ray,segment or plane that intersects the segment at a midpoint. This divides the line, ray, segment or plane into two equal parts.

13. Two angles whose sum is 90 degrees are this. The measure of the first angle plus the measure of the second angle must equal 90 degrees.

17. A ray that divides an angle into 2 congruent adjacent angles. This consists of all points that are equidistant from the sides of the angle.

18. A comparison of two quantities by division. Such as, 5 to 7, 5:7, and 5/7.

19. Arcs that have the same measurement and are within the same circle or congruent circles. These arcs are the same in size and length.

Down

1. A perpendicular segment that joins the vertex of a triangle with the opposite side of the triangle.This is often substituted as "x" to find the geometric mean of the triangle.

2. A line that is contained within two points called "endpoints." This line includes the two endpoints and several different points within the line.

3. Coplanar lines that do not intersect. The two lines in the plane will never meet or touch each other.

4. Two angles that add up to equal 180 are considered this. The measure of the first angle plus the measure of the second angle must equal 180 degrees total.

5. The equation used in terms of slope that states "m"=the slope which is multiplied by x. "B" is the y-intercept. y=mx+b

6. Three sides of a triangle are congruent to 3 sides of a second triangle. What postulate will be used to prove the 2 triangles congruent?

7. The length of an arc of a circle is the product of the ratio and the circumference of the circle. Measure of arc AB= (measure of arc AB/360)(2πr).

8. If two sides and the included angle of a triangle are congruent to 2 sides and the included angle of a second triangle Then the triangles are congruent according to what postulate?

9. Two angles whose sides are formed by two pairs of opposite rays. The angles are congruent and placed "across" from each other.

10. A line that intersects two or more coplanar lines at distinct points. This can be used to determine whether or not two lines are parallel.

12. If two angles and the non-included side of one triangle are congruent to two angles and the non-included side of a second triangle then the triangles are congruent. According to what theorem?

14. If two angles and the included side of one triangle are congruent to two angles and the included side of a second triangle then the triangles are congruent. According to what postulate?

15. The point where sides meet. Often found on 3-dimensional figures including cones and pyramids.

16. A quadrilateral that has all the characteristics except for 2. The 2 characteristics this quadrilateral does not have is base angles congruent and has only one pair of opposite sides parallel.

20. This term is used to prove corresponding segments or angles of congruent triangles congruent. What is the abbreviation?