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Geometry Crossword!

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| **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? |