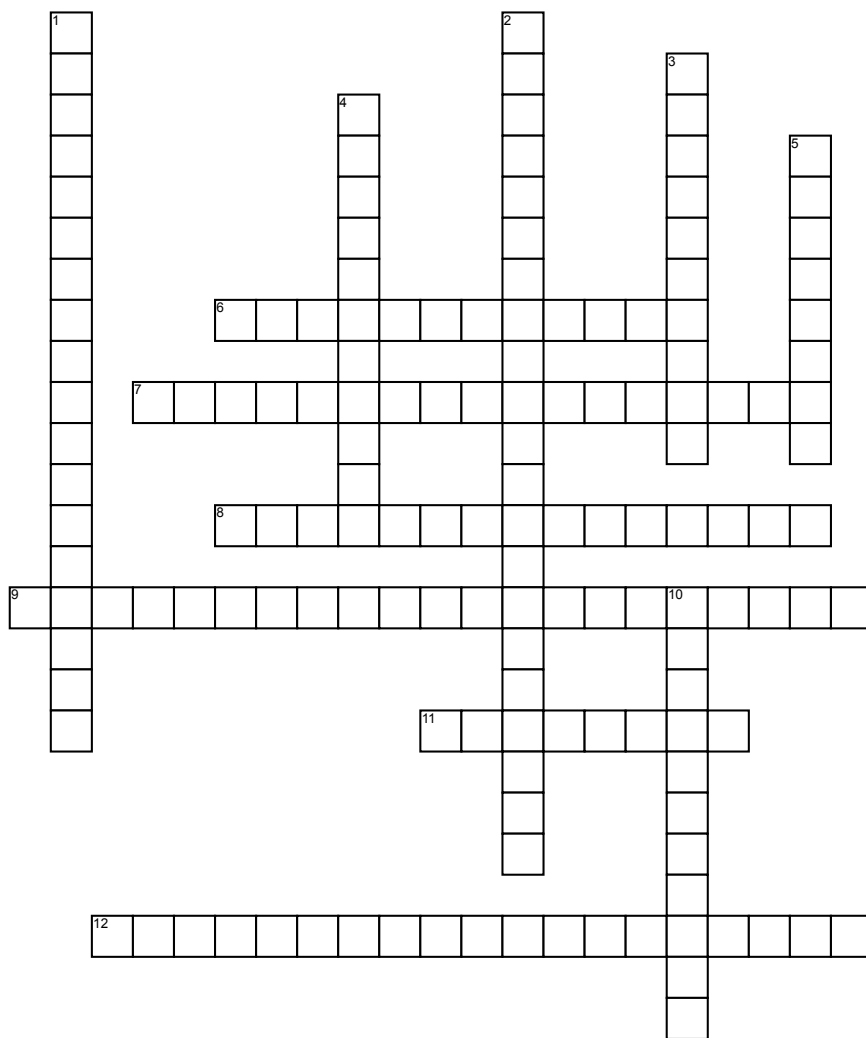


# Relationships with Triangles



## Across

- 6.** The point of concurrency of the three perpendicular bisectors of a triangle is called the ..... of the triangle
- 7.** The ..... is a segment from a vertex to the midpoint of the opposite side
- 8.** Involves placing geometric figures in a coordinate plane
- 9.** A segment, ray, line, or plane that is perpendicular to a segment at its midpoint is called a....

## Word Bank

Mid segment of a Triangle  
Centroid  
Orthocenter  
Equidistant

- 11.** The three medians meet at a point of concurrency called the .....

- 12.** ..... is the perpendicular segment from a vertex to the opposite side or to the line that contains the opposite side

## Down

- 1.** The point of intersection of the lines, rays, or segments is called the.....
- 2.** A segment that connects the midpoints of two sides of the triangle

- 3.** When three or more lines, rays, or segments intersect in the same point, they are called ..... lines, rays, or segments

- 4.** The point at which the lines containing the three altitudes of a triangle intersect is called the ..... of the triangle

- 5.** The point of concurrency of the three angle bisectors of a triangle is called the ..... of the triangle

- 10.** A point is ..... from two figures if the point is the same distance from each figure

Perpendicular bisector  
Incenter  
Circumcenter  
Median of a triangle