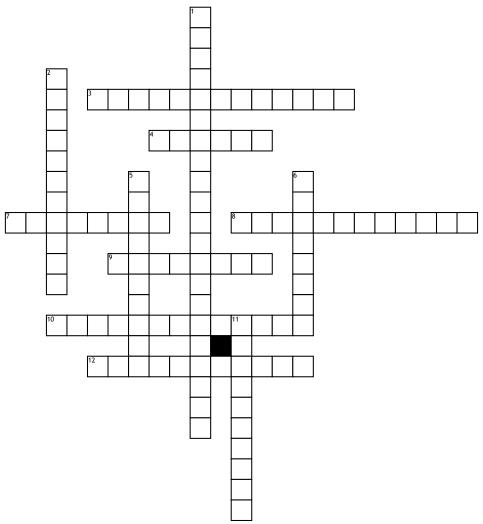# Geometry Vocabulary Crossword (Relationships Within Triangles)

Across

3. type of proof that first assumes the opposite of what is being proved

4. segment from a vertex to the midpoint of the opposite side

7. a perpendicular segment from a vertex to the line containing the opposite side

8. point of concurrency of the perpendicular bisectors of a triangle

9. point of concurrency of the medians of a triangle

10. ray that divides an angle into two congruent angles

12. point of concurrency of the altitudes of a triangle

Down

1. segment, line, or ray that is perpendicular to the segment at its midpoint.

2. same distance apart

5. segment connecting the midpoints of two sides of a triangle

6. point of cuncurrency of the angle bisectors of a triangle

11. three or more lines intersect in one point

Word Bank

centroid	perpendicular bisector	concurrent
incenter	indirect proof	orthocenter
circumcenter	equidistant	median
altitude	angle bisector	midsegment