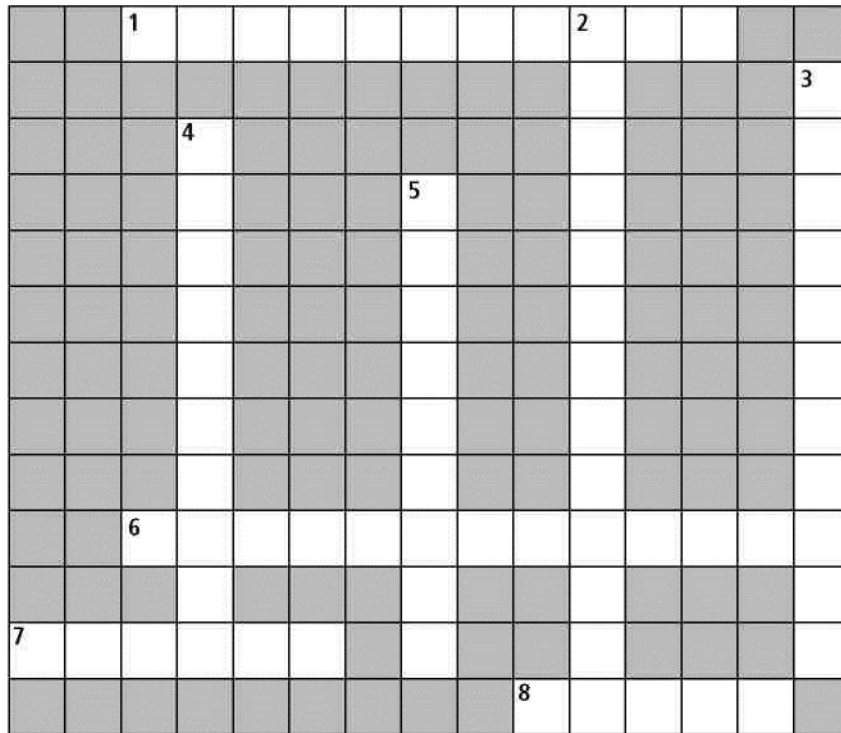


# 5-3 Puzzle: Crossword

## Bisectors in Triangles

Each clue below involves a vocabulary word you have used or will use soon. Find the missing word or words to complete each sentence. Then place your answers in the crossword puzzle.



**Across**

1. A point is ? from two objects if it is the same distance from the objects.
6. The distance from a point to a line is the length of the ? segment from the point to the line.
7. The point where two or more sides of a figure meet is called a(n) ?.
8. A convincing argument that logically shows why a conjecture is true is called a(n) ?.

**Down**

2. Given the point D in the interior of  $\angle ABC$ , if  $m\angle ABC = 40^\circ$  and  $m\angle DBC = 20^\circ$ , then  $\overline{BD}$  is called a(n) ? (two words).
3. A(n) ? triangle has all congruent sides.
4. A segment that connects the midpoints of two sides of a triangle is called a(n) ?.
5. If a point is on the perpendicular bisector of a segment, then it is equidistant from the ? of the segment.