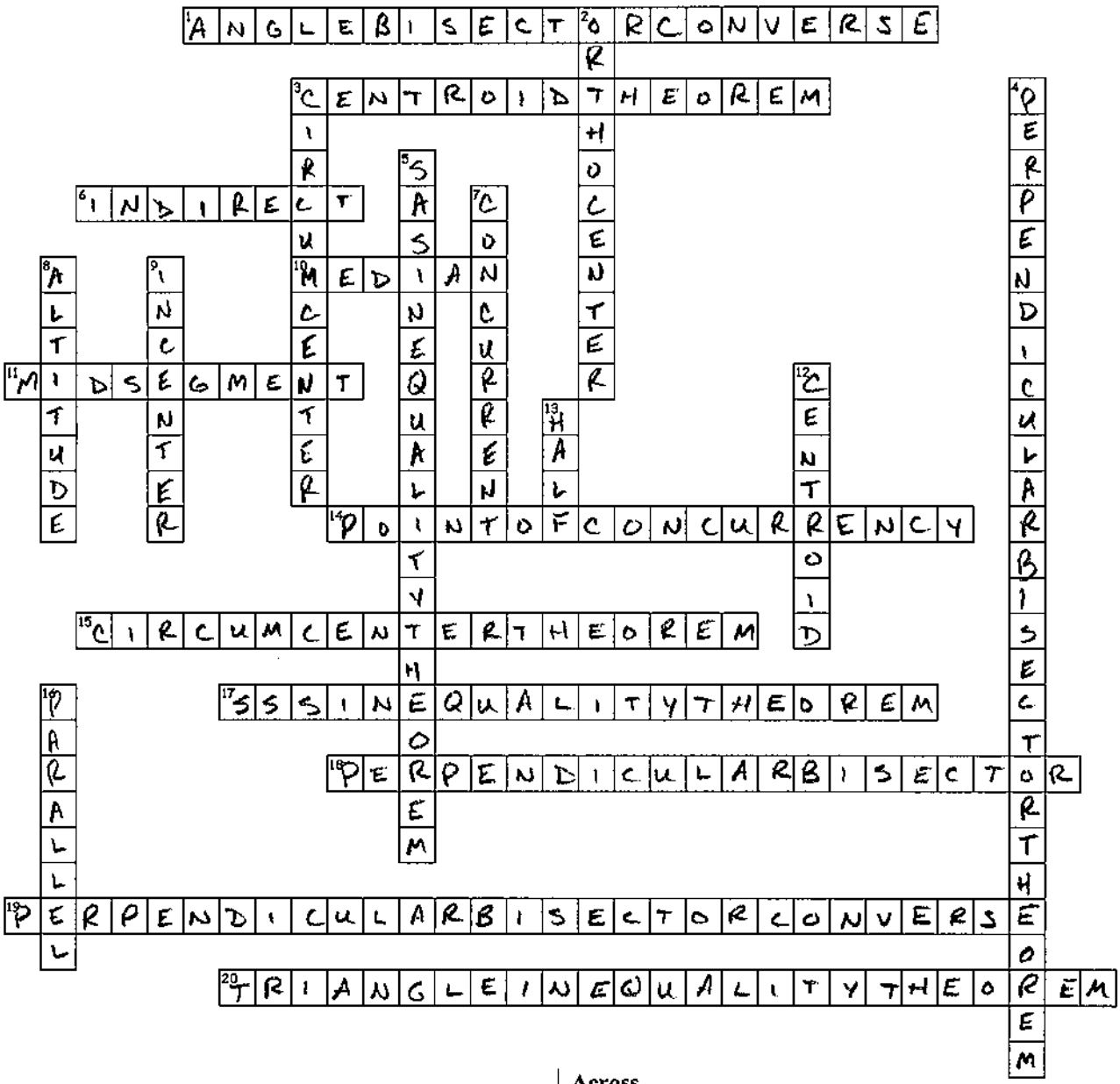
Honor's Geometry
Chapter 5 Crossword

Name: Key



Across

1. if a point is equidistant from the sides of an $\angle$, it lies on the bisector of the angle

3. the point of concurrency of the medians of a Δ is 2/3 the distance from the vertex to the midpoint of the opposite side of the Δ

6. type of proof that begins by assuming the opposite of the prove statement

10. segment in a Δ that connects the vertex to the midpoint of the opposite side of a Δ

11. segment in a Δ that connects the midpoints of two sides of the Δ

14. point of intersection of three or more lines, segments, or rays

15. the point of concurrency of the perpendicular bisectors of a Δ is equidistant from the vertices of the Δ

17. hinge theorem converse

18. line, segment, or ray that intersects a segment at its midpoint AND is perpendicular to that segment

Across

19. if a point is equidistant from the endpoints of a segment, then it lies on the perpendicular bisector of the segment

20. the sum of the lengths of any two sides of a Δ must be greater than the length of the third

Down

2. the point of concurrency of the altitudes of a Δ

3. the point of concurrency of the perpendicular bisectors of a Δ

4. if a point is on the perpendicular bisector of a segment, then it is equidistant from the endpoints of the segment

5. hinge theorem

7. the altitudes of a Δ are always _____.

8. height of a Δ

9. the point of concurrency of the angle bisectors of a Δ

12. the point of concurrency of the medians of a Δ

13. the length of the midsegment of a Δ is ____ the length of the third side of the Δ

16. the midsegment of a Δ is _____ to the third side of the Δ