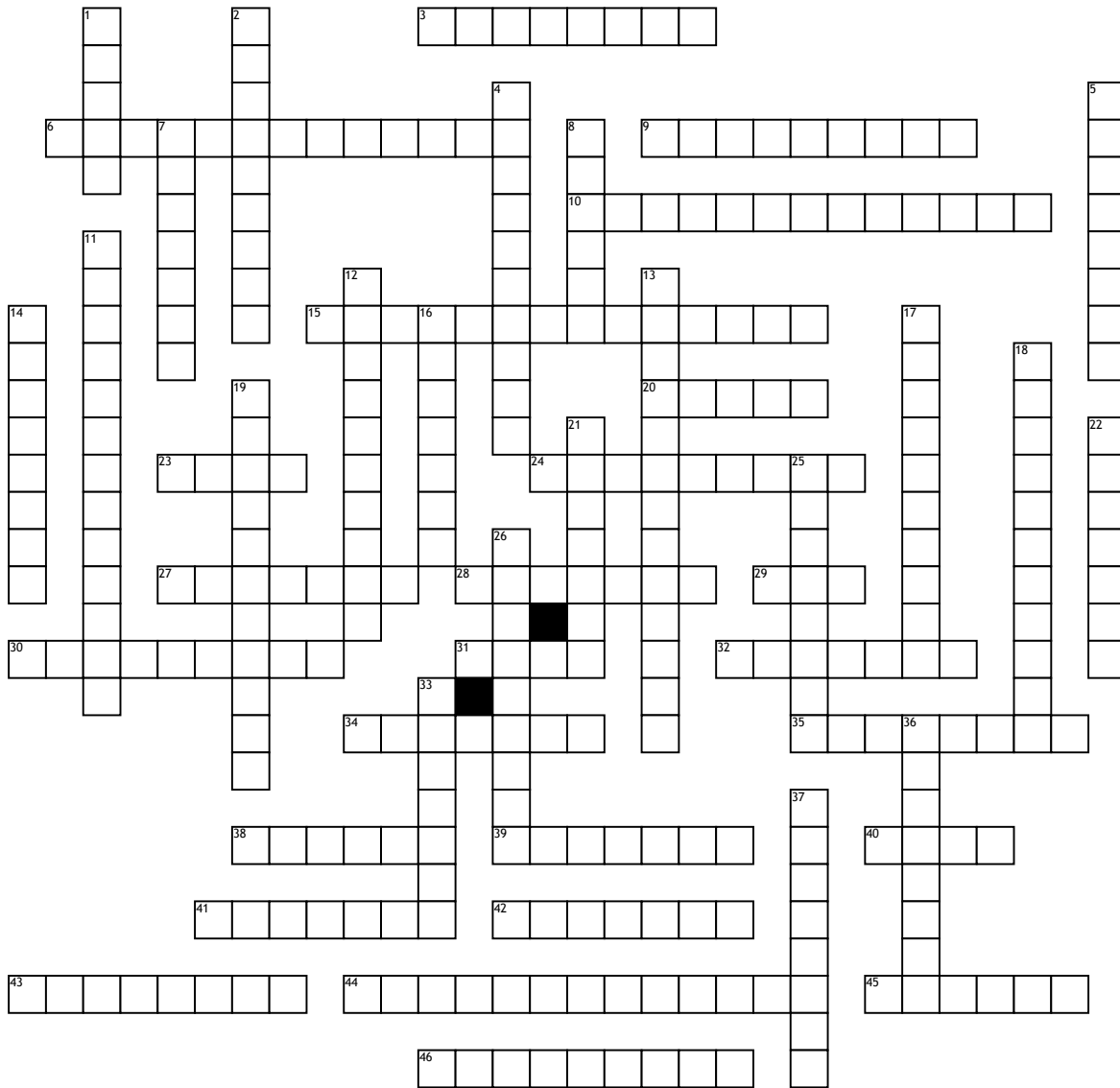Name: _____ Date: _____

Geometric Terms

Across

3. in the same plane

6. angular point of a polygon, polyhedron, or other figure

9. figure with four straight sides and four right angles, especially one with unequal adjacent sides, in contrast to a square.

10. either of two angles whose sum is 180˚

15. special kind of example that disproves a statement or proposition

20. the figure formed by two rays

23. trigonometric function that is equal to the ratio of the side opposite a given angle

24. points lying in the same straight line

27. figure with eight straight sides and eight angles

28. figure with six straight sides and angles

29. a line with an endpoint that extends infinitely in one direction

30. quadrilateral with only one pair of parallel sides

31. a quadrilateral with disjoint pairs of adjacent sides are equal

32. a statement that has been proved on the basis of previously established statements

34. triangle that has three unequal sides

35. polygon with three edges and three vertices

38. figure with four equal straight sides and four right angles

39. parallelogram with opposite equal acute angles, opposite equal obtuse angles, and four equal sides

40. straight, extends in both directions without end

41. part of a figure cut off by a line or plane intersecting it

42. figure with ten straight sides and angles.

43. five-sided polygon

44. line meeting another at a right angle, or 90˚

45. angular point of a polygon, polyhedron, or other figure

46. triangle that has two sides of equal length

Down

1. reasoned, logical explanations that use definitions, axioms, postulates, and previously proved theorems to arrive at a conclusion

2. figure with twelve sides

4. an if then statement

5. figure with seven straight sides and angles

7. plane figure with at least three straight sides and angles, and typically five or more

8. length of the adjacent side (A) divided by the length of the hypotenuse (H).

11. a four-sided figure

12. part of a conditional statement after then

13. four-sided plane rectilinear figure with opposite sides parallel

14. a line that divides a figure into two mirror images

16. figure with nine straight sides and nine angles

17. figure with seven straight sides and angles

18. intersecting a system of lines.

19. an if-then statement in which p is a hypothesis and q is a conclusion

21. having an outline or surface that curves inward like the interior of a circle or sphere

22. figure with eight straight sides and eight angles

25. when angles have a common side and a common vertex

26. continuous line forming the boundary of a closed geometric figure

33. the length of the opposite side divided by the length of the adjacent side

36. apparent height of a celestial object above the horizon, measured as an angle

37. switching the hypothesis and conclusion of a conditional statement