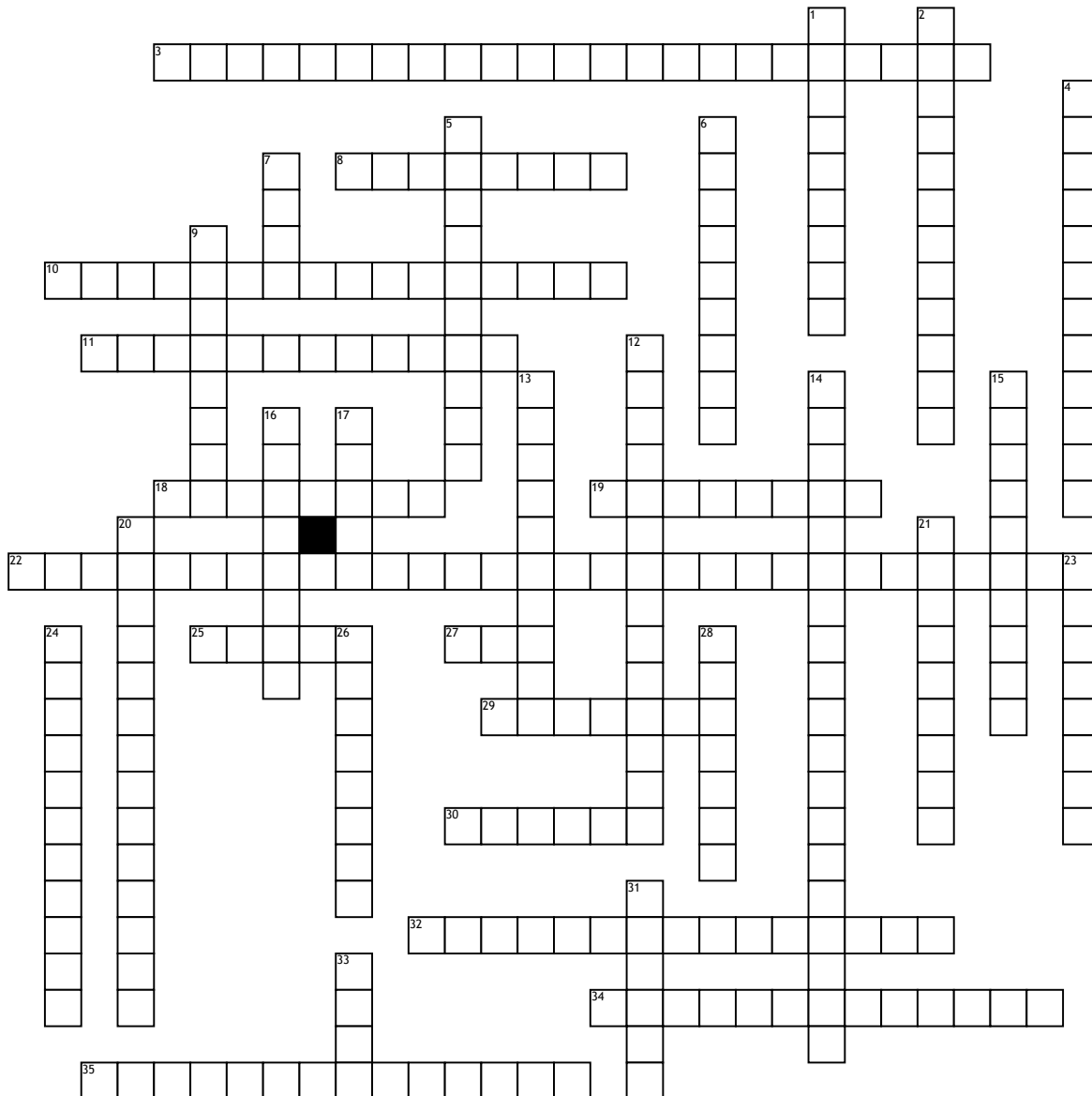Name: _____ Date: _____

geometry crossword puzzle

Across

3. Outside angles of two lines intersected by a transversal and on opposite sides of the transversal

8. an ark of a circle that is larger than a semicircle

10. two circles with the same radius

11. Two circles with equal radii

18. polygon with 5 sides

19. an arc of a circle that is smaller than a semicircle

22. Two parallel lines cut by a transversal create pairs alternate exterior angles that are congruent.

25. line segment whose endpoints are any two points on a circle

27. a continuous portion of a circle

29. polygon with 6 sides

30. the length of a line segment between the center and circumference of a circle or sphere

32. Angles that have the same measure

34. two (or more) lines that never intersect

35. are congruent

Down

1. a circle inside a polygon.

2. an angle whose vertex is the center of the circle.

4. The point at which two or more lines intersect or cross.

5. having equal measures

6. a quadrilateral that has only on pair of parallel sides

7. side opposite the vertex angle

9. union of three sides

12. if two angles sides form two pairs of opposite rays

13. A half-circle.

14. Pair of angles formed by two lines and a transversal consisting of an interior angle and an exterior angle that have different vertices and that lie on the same side of the transversal

15. two adjacent angles whoes noncommon sides are opposite

16. A transformation that turns a figure about a fixed position through a given angle and a given direction.

17. Angles are created by two distinct rays that share a common endpoint (also known as a vertex

20. A line that is the perpendicular bisector of the segment with endpoints at a pre-image point and the image of that point after a reflection.

21. A parallelogram with four right angles

23. a point is a midpoint if it cuts a segment into 2 congruent segments

24. angle determined by congruent sides in an isosceles triangle

26. straight line passing through the center of a circle or sphere and meeting the circumference

28. a line in the plane of the circle that intersects the circle at exactly one point.

31. a line that intersects a circle in two points

33. side opposite the vertex angle