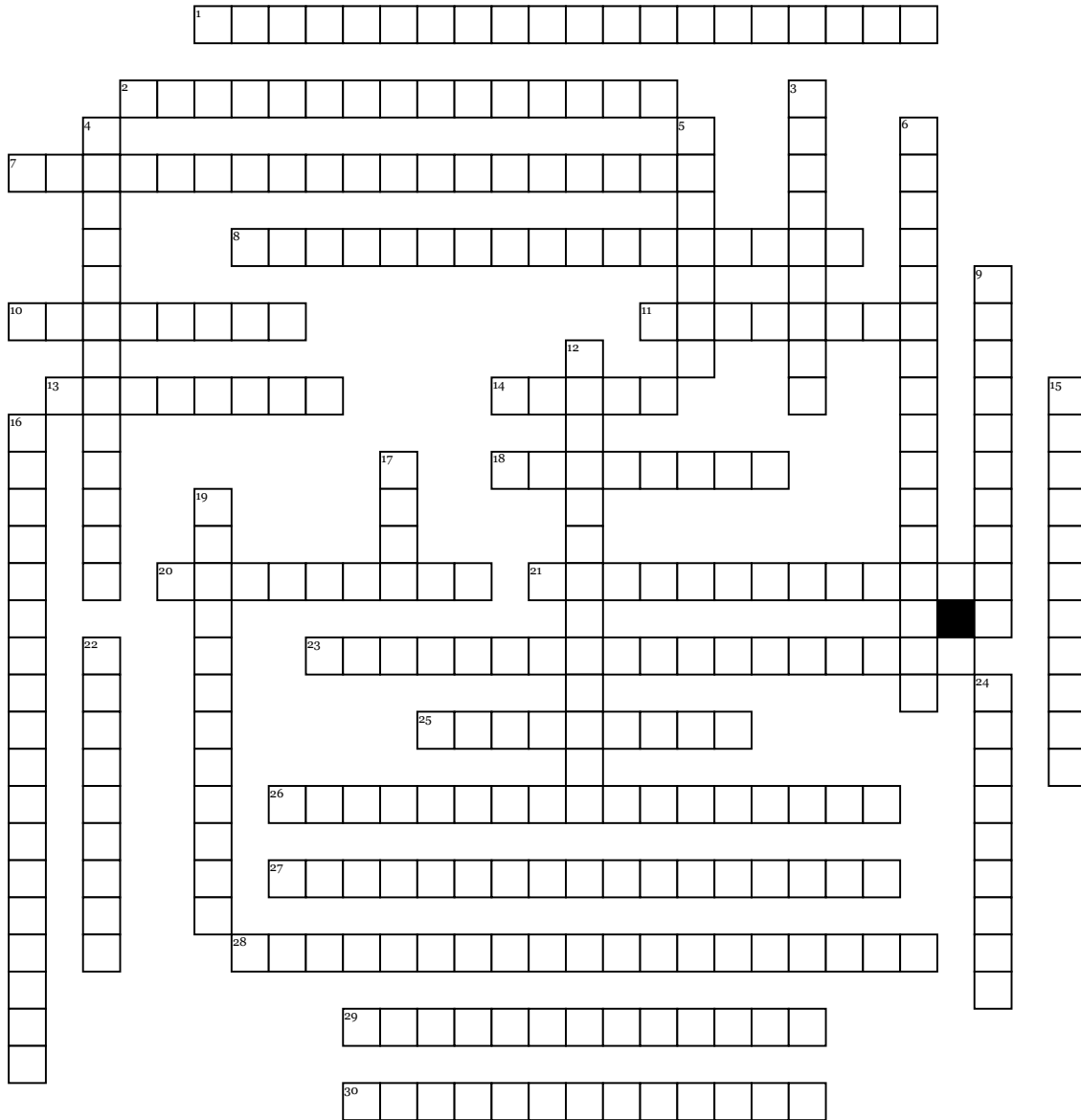


Geometry Crossword Puzzle



Across

- 1. each side of the polygon is tangent to the circle
- 2. a style of proof that uses coordinate geometry and algebra
- 7. a triangle with three congruent sides
- 8. the set of all points outside an angle
- 10. to correspond exactly; to be identical
- 11. points that lie on the same plane
- 13. marks used on a figure to indicate congruent angles
- 14. a segment whose endpoints lie on a circle
- 18. a set with no elements
- 20. having the same size and shape

- 21. a ray that divides an angle into two congruent angles
 - 23. a polygon in which all sides are congruent
 - 25. the distance along an arc measured in linear units
 - 26. two polygons whose corresponding sides and angles are congruent
 - 27. the set of all points outside a circle
 - 28. a triangle with three congruent angles
 - 29. a triangle with three acute angles
 - 30. the distance around a circle
- Down**
- 3. a theorem whose proof follows directly from another theorem
 - 4. a line drawn in a figure to aid in a proof

- 5. a ten-sided polygon
- 6. the point around which a figure is rotated
- 9. a statement that is believed to be true
- 12. an event made up of two or more simple events
- 15. the same distance from two or more objects
- 16. a polygon in which all angles are congruent
- 17. a prism with six square faces
- 19. the intersection of a three-dimensional figure and a plane
- 22. a 12-sided polygon
- 24. points that lie on the same line