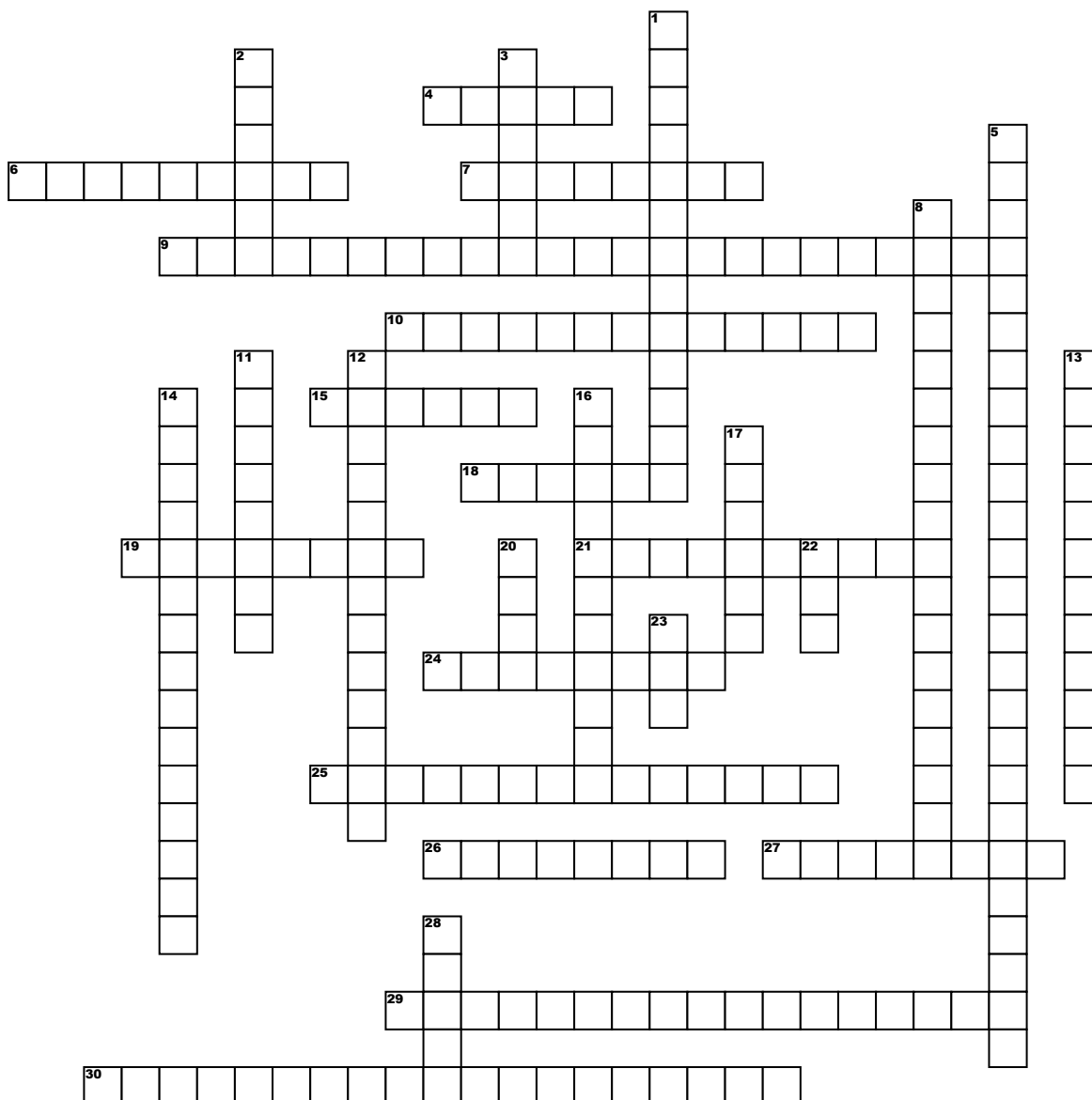


Name: _____ Date: _____ Period: _____

Geometry crossword puzzle



Across

4. how steep a straight line is
6. A box shape on a plane. Formally, a rectangle is a quadrilateral with four congruent angles (all 90°).
7. straight line passing through the center of a circle or sphere and meeting the circumference
9. The pairs of angles on opposite sides of the transversal that are on the exterior.
10. two angles that add up to 180 degrees
15. the length of a line segment between the center and circumference of a circle or sphere
18. a line that intersects a circle in two points
19. union of three sides
21. A half-circle
24. an arc of a circle that is smaller than a semicircle
25. angles that are opposite when two lines cross
26. endpoints of the sides of the polygon
27. segment connecting nonconsecutive vertices in a polygon

Down

1. A point at which a graph intersects the y-axis.
2. The shortest distance between the base of a geometric figure and its top, whether that top is an opposite vertex, an apex, or another base.
3. The trig function cosine, which is written $\cos \theta$. For acute angles, $\cos \theta$ can be found by the SOHCAHTOA definition, shown below on the left. The circle definition, a generalization of SOHCAHTOA, is shown below on the right. $f(x) = \cos x$ is a periodic function with period 2π .
5. the pairs of angles on one side of the transversal but inside the two lines
8. $y = mx + b$
11. an arc of a circle that is larger than a semicircle
12. lines that will never touch and are the same distance apart
29. lines that touch
30. Angles in the exact same spot, in the exact same place, but on two different lines that are congruent.

13. An angle with a vertex at the center of a circle and whose sides are radii of the circle
14. two angles are the same
16. a line that crosses two or more lines
17. a set of points in a plane that are the same distance from a given point in the plane
20. Another word for average. Mean almost always refers to arithmetic mean. In certain contexts, however, it could refer to the geometric mean, harmonic mean, or root mean square.
22. point of a line with one endpoint and all of the points of the line on one side of an endpoint
23. a continuous portion of a circle
28. line segment whose endpoints are any two points on a circle