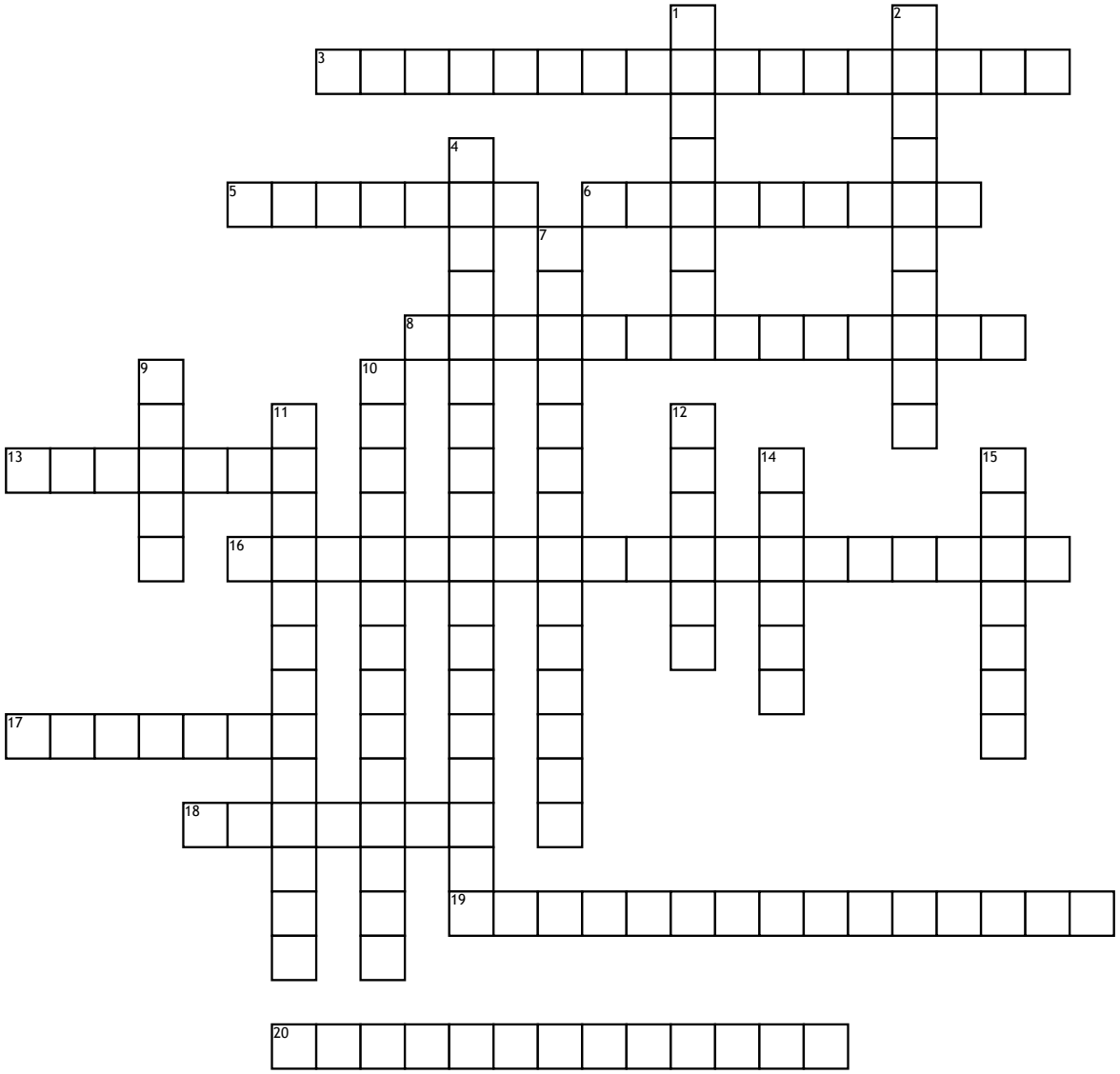
# Geometry Words



**Across**

**3.** Circles that lie in the same plane and have the same center

**5.** A statement that can be proved

**6.** Lines that are not coplanar

**8.** A polygon that is both equiangular and equliateral

**13.** An 8-sided polygon

**16.** The perpendicular segment from a vertex to the line containing the opposite side

**17.** A quadrilateral with four congruent sides

**18.** A 10-sided polygon

**19.** A line, segment, ray, or plane that intersects the segment at its midpoint

**20.** A 4-sided polygon

**Down**

**1.** A chord that contains the center of a circle

**2.** An angle with measure between zero and 90

**4.** Two lines that intersect to form right angles

**7.** An example used to prove that an if-then statement is false. For that counterexample, the hypothesis true and the conclusion is false

**9.** The set of all points

**10.** Two angles whose sides form two pairs of opposite rays

**11.** The ray that divides the angle into two congruent adjacent angles

**12.** A quadrilateral with four right angles and congruent sides

**14.** The set of points in a plane that are a given distance from a given point in the plane. The given point is the center, and the given distance is the radius

**15.** A plane figure formed by coplanar segments (sides) such that (1) each segment intersects exactly two other segments, one at each endpoint; and (2) no two segments within a summon endpoint are collinear