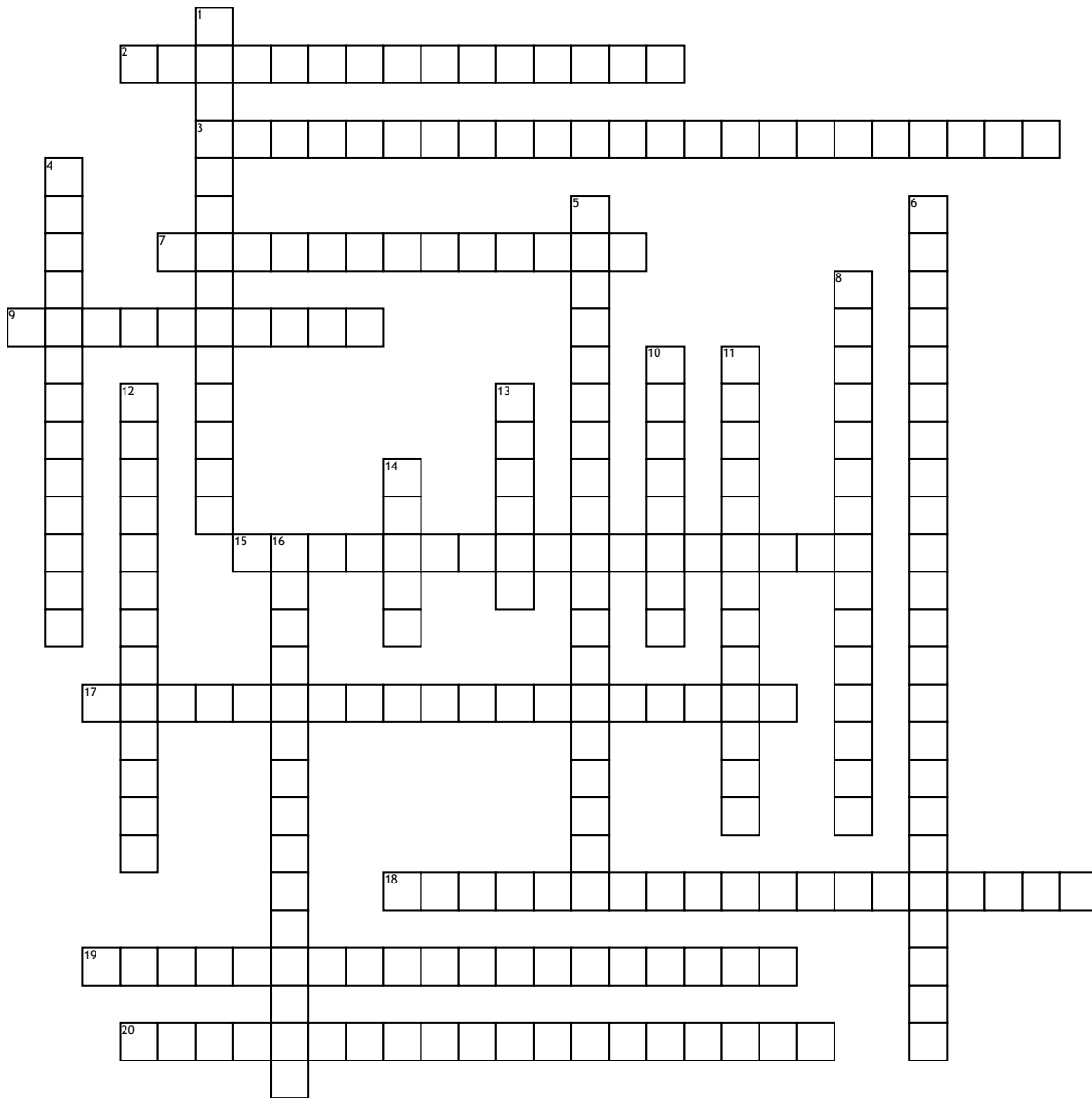


Geometry Crossword



Across

- 2. Formula used to find the midpoint between two points; $\sqrt{(x_1+x_2 \text{ over } 2, y_1+y_2 \text{ over } 2)}$
- 3. Two exterior angles on opposite sides of a transversal that lie on different parallel lines; these angles are congruent
- 7. A line or ray that divides an angle in half; divides angle equally in half
- 9. A 90 degree angle; an example would be the corner of a square or the intersection of two perpendicular straight lines
- 15. A triangle with two sides that are the same length; A triangle with at least two congruent sides
- 17. Two angles that add up to 180 degrees; the two angles don't necessarily have to be next to each other, they just have to add up to 180 degrees.

- 18. Two angles that occupy the same relative position at each intersection where a straight line crosses two others; if the two lines are parallel, the _____ are equal
 - 19. A triangle with three congruent angles; also equilateral
 - 20. A triangle with three congruent sides; has three equal sides
- Down**
- 1. Two angles in a plane which share a common vertex and a common side; though they share a common vertex and side, they don't overlap
 - 4. Angles opposite each other at the intersection of two lines; they are also congruent
 - 5. Two acute angles that add up to 90 degrees; angles don't have to be next to each other, just must add up to 90 degrees

- 6. Two interior angles that lie on different parallel lines and on opposite sides of a transversal; these angles are also congruent
- 8. Formula used to find the distance between two points; $\sqrt{(x_2-x_1)^2 + (y_2-y_1)^2}$
- 10. The point halfway between two given points; splits line segment equally in half
- 11. When two triangles have corresponding sides that are congruent; side-side-side
- 12. When two triangles have corresponding angles and sides that are congruent; side-angle-side
- 13. Two rays sharing a common endpoint; typically measured in degrees
- 14. Corresponding parts of congruent triangles are congruent; A theorem that states if two triangles are congruent, then so are all corresponding parts
- 16. A triangle that's three sides are't equal; the three sides have different lengths