Geometry Vocabulary Crossword Puzzle
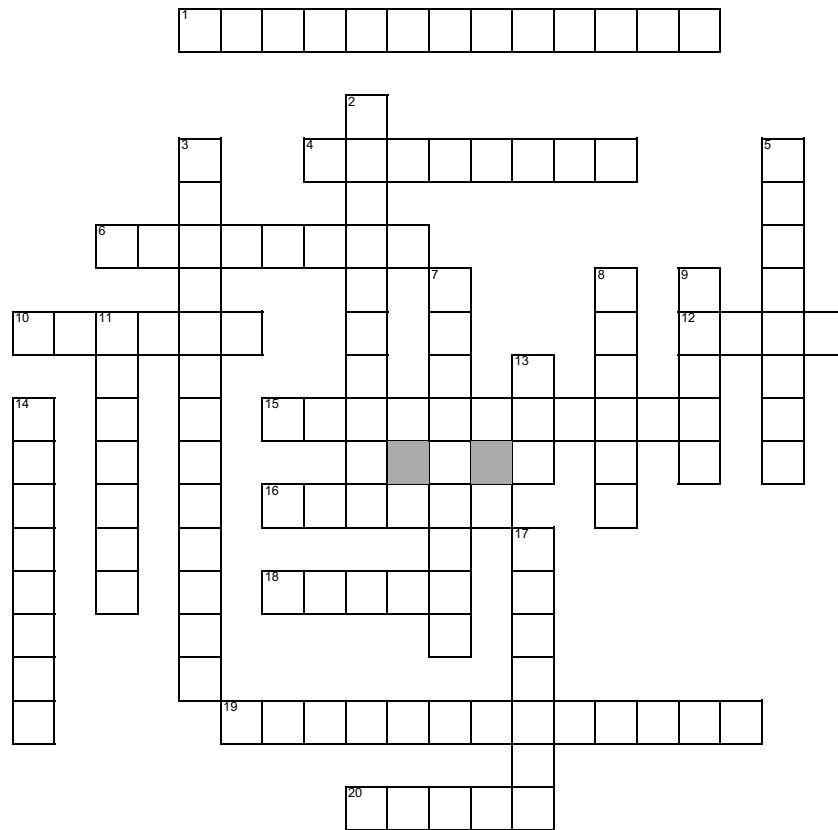
Across

1. Two lines that intersect. The relationship between the two lines meet at a right angle.

4. A straight line going through the center of a circle. It connects two points on the circle's circumference.

6. Line segments that do not intersect. They are side by side and have the same distance continuously between them.

10. The distance from the center to the circumference of a circle. It is half of the circle's diameter.

12. A straight path that extends in two opposite directions without end, and has no thickness. A _____ can contain infinite points.

15. A transformation that moves an image a certain distance. It slides an image within a plane without rotating or flipping it.

16. The common endpoint of two or more rays or line segments. It is the corner or point where lines meet.

18. A 3-dimensional point, line, or shape. It is a region in which objects exist.

19. Two angles that add up to equal 90 degrees. Two angles that add up to 180 degrees are supplementary, while two angles that add up to 90 degrees are _____.

20. An angle that is equal to 90 degrees. It is usually represented by a small square on the vertex of the angle.

Down

2. A pair of adjacent angles formed by intersecting lines. Another word for supplementary angles, meaning that they add up to equal 180 degrees.

3. The perimeter or distance around the edge of a circle. The equation to find the _____ is πd or 2πr.

5. A 2-dimensional shape that has three sides and three angles. There are three types of a _____; Equilateral, Isosceles, and Scalene.

7. A triangle that has two sides of equal length. The angles opposite the equal sides are also equal.

8. A trigonometric function used in a right angled triangle. It is the length of the adjacent side divided by the length of the hypotenuse.

9. A flat surface that extends forever and does not end. It contains an x and y axis, and infinite points and lines.

11. Unit to measure angles. One _____ is the angle measurement of 1/360th of a circle.

13. A part of a line that consists of one endpoint. When naming a _____, the endpoint MUST com first.

14. A transformation that turns an image around a given point. It can be transformed by turning it clockwise or counterclockwise.

17. A part of a line that consists of two endpoints. This forms when two points are connected.