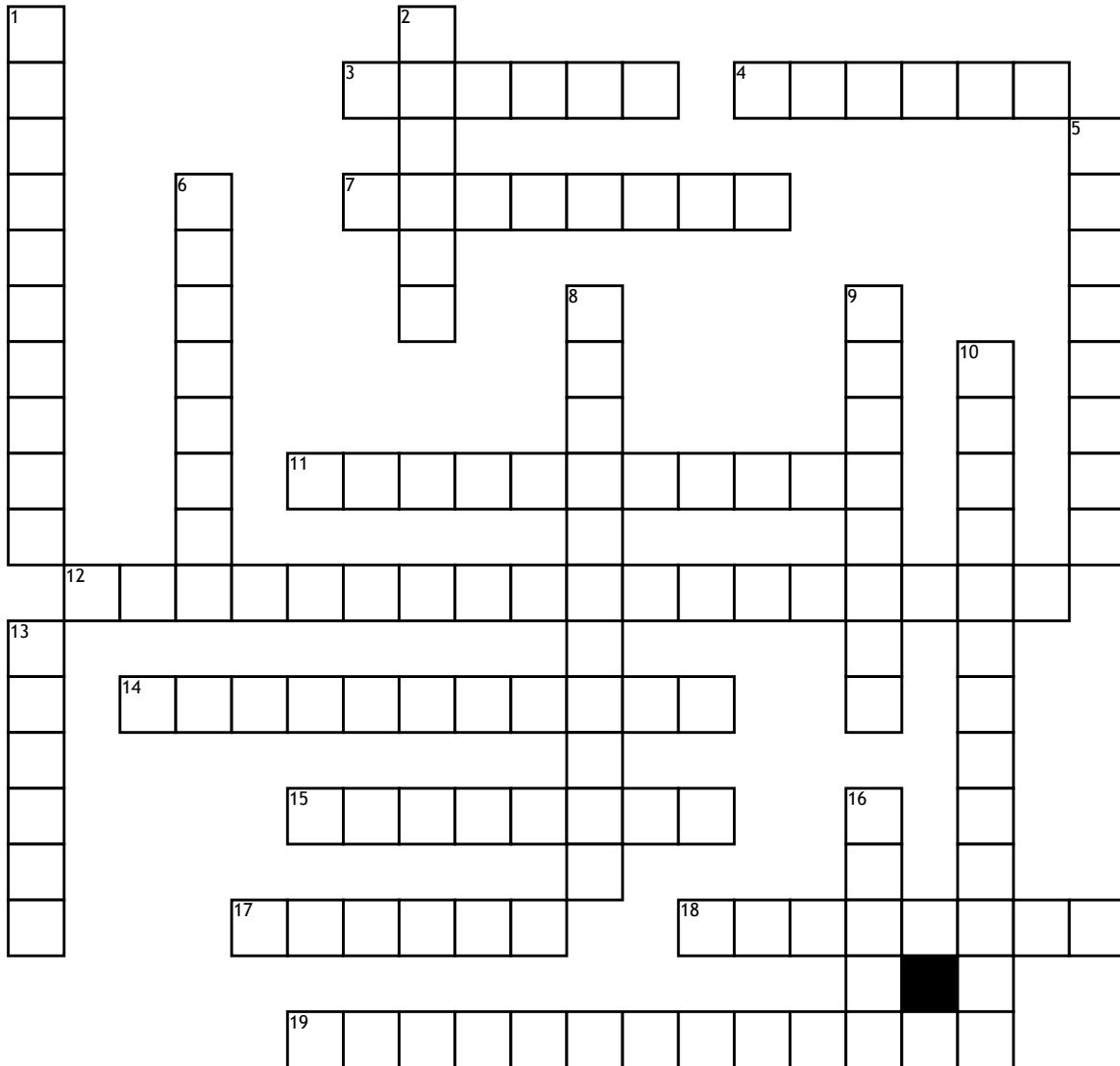


# Analytic Geometry Vocabulary



**Across**

- 3. Another name for a corner of a 2D shape.
- 4. The midpoint of a circle's diameter is at its \_\_\_\_\_.
- 7. A line drawn from one corner of a geometric shape to its opposite corner.
- 11. Distances are equal.
- 12. The distance formula is really just the \_\_\_\_\_.
- 14. A \_\_\_\_\_ connects two points on a cartesian plane.
- 15. Terms that have a square root sign.

17. Dividing a line segment into two equal pieces.

18. Slopes are the same for multiple lines.

19. A line that bisects a line segment perpendicularly.

**Down**

- 1. The longest side of a right angle triangle.
- 2. A line that connects the midpoint of a side of triangle to the opposite vertex.
- 5. The coordinates that satisfy multiple equations in a linear system.

6. The point that creates two equal halves of a line segment.

8. Name the triangle that has three equal side lengths.

9. The place where all medians of a triangle meet.

10. Slopes are negative reciprocals of each other.

13. Altitude of a shape is another word for \_\_\_\_\_.

16. When you leave your answer under the square root sign, it is an \_\_\_\_\_ value.