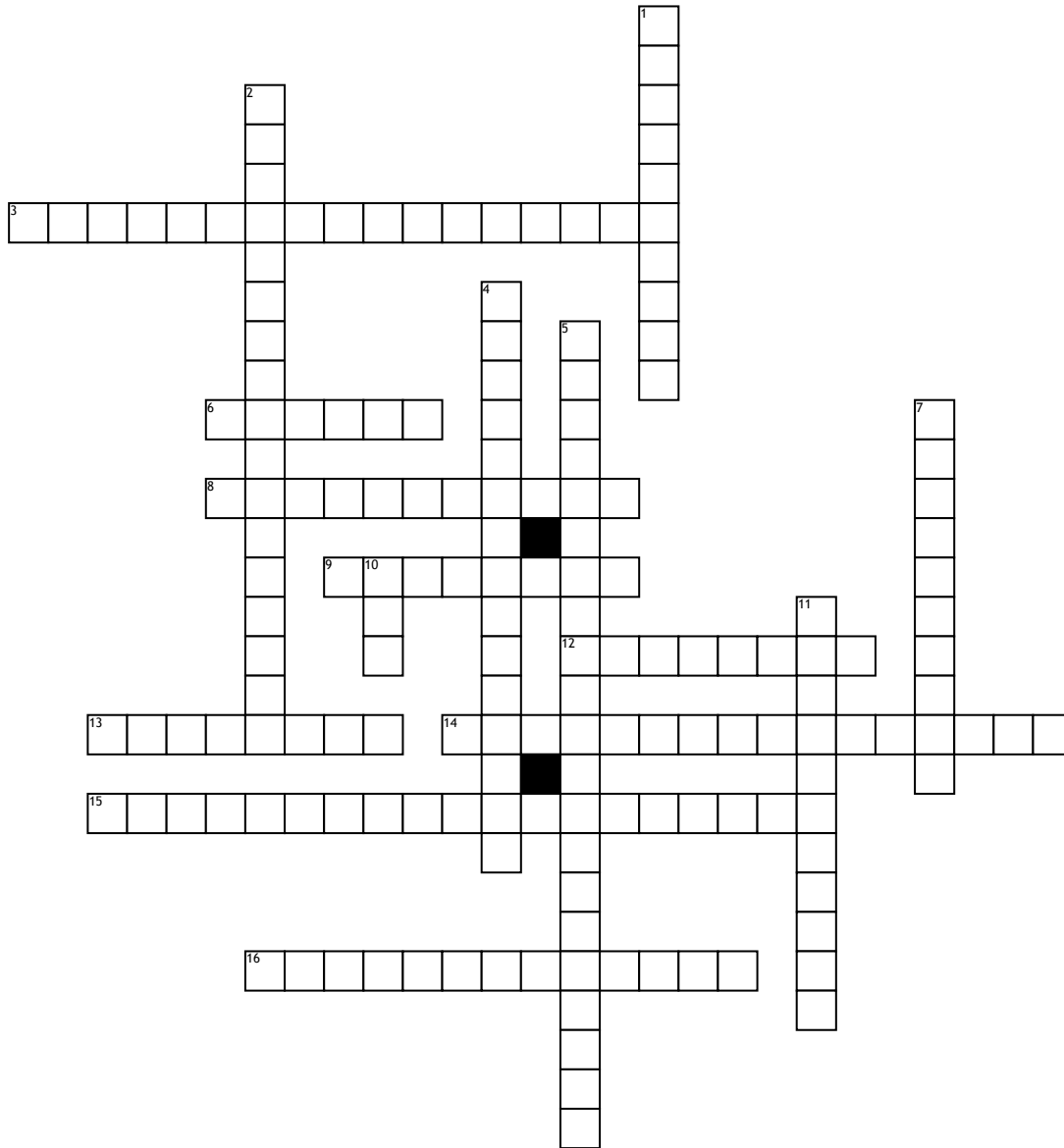


Puzzle 4: Triangles



Across

3. A triangle that has two sides of equal length. (Two Words)
6. A triangle is a line segment joining a vertex to the midpoint of the opposing side, bisecting it.
8. The point where the three "altitudes" of a triangle meet.
9. A line segment through a vertex and perpendicular to a line containing the base.
12. A point of concurrency of the triangle.

13. The center of the incircle of a triangle or other figure.
14. The angle formed by the line of sight and the horizontal plane for an object above the horizontal. (Three words)
15. A triangle in which all three sides are equal. (Two words)
16. A line that splits an angle into two equal angles. (Two words)

Down

1. The longest side of a right triangle.

2. Is congruent to the angle of elevation. (Three Words)
4. A triangle that has three unequal sides, such as those illustrated above. (Two Words)
5. A line that divides a line segment into two equal parts. (Two Words)
7. Having corresponding sides proportional and corresponding angles equal.
10. A side other than the one opposite the right angle.
11. The line segment connecting the midpoints of two sides of a triangle.