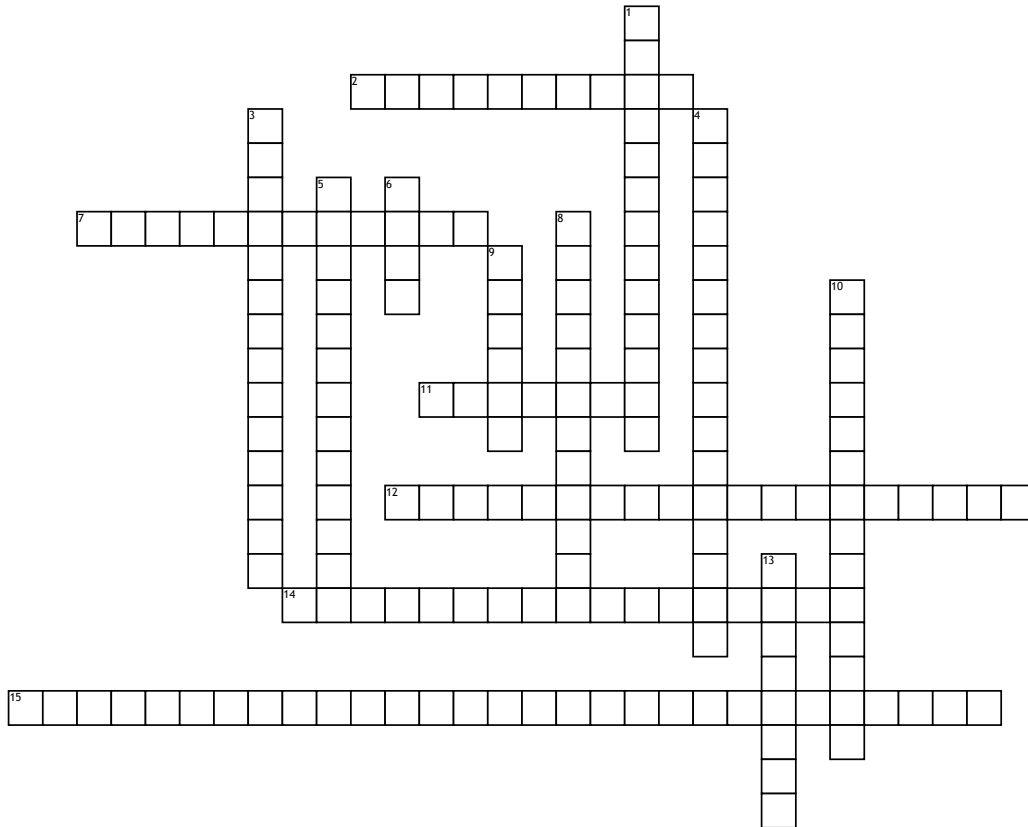


Geometry Exam



Across

- 2. the longest side of a right triangle, opposite the right angle.
- 7. the hypotenuse is the longest side,
- 11. a straight line or plane that touches a curve or curved surface at a point, but if extended does not cross it at that point.
- 12. the angles which occupy the same relative position at each intersection where a straight line crosses two others. If the two lines are parallel, the corresponding angles are equal.
- 14. the angle made by a reflected ray with a perpendicular to the reflecting surface.

Word Bank

- opposite side
- Cosine
- corresponding angles
- Tangent
- Geometric mean

- 15. The measure of an angle formed by two secants, two tangents, or a secant and a tangent from a point outside the circle is half the difference of the measures of the intercepted arcs.

Down

- 1. Three sides in proportion
- 3. Two figures that have the same shape are said to be similar.
- 4. the angle which an incident line or ray makes with a perpendicular to the surface at the point of incidence.
- 5. the central number in a geometric progression (e.g. 9 in 3, 9, 27), also calculable as the nth root of a product of n numbers.

- 6. the trigonometric function that is equal to the ratio of the side opposite a given angle (in a right triangle) to the hypotenuse.
- 8. Trigonometry often deals with right triangles
- 9. the trigonometric function that is equal to the ratio of the side adjacent to an acute angle (in a right-angled triangle) to the hypotenuse.
- 10. each of the pairs of opposite angles made by two intersecting lines.
- 13. the action or condition of becoming or being made wider, larger, or more open.

- vertical angles
- Angle of Reflection
- SSS Similarity
- exterior angles of a circle theorem
- Similar figures

- hypotenuse
- adjacent side
- Dilation
- angle of incidence
- sine