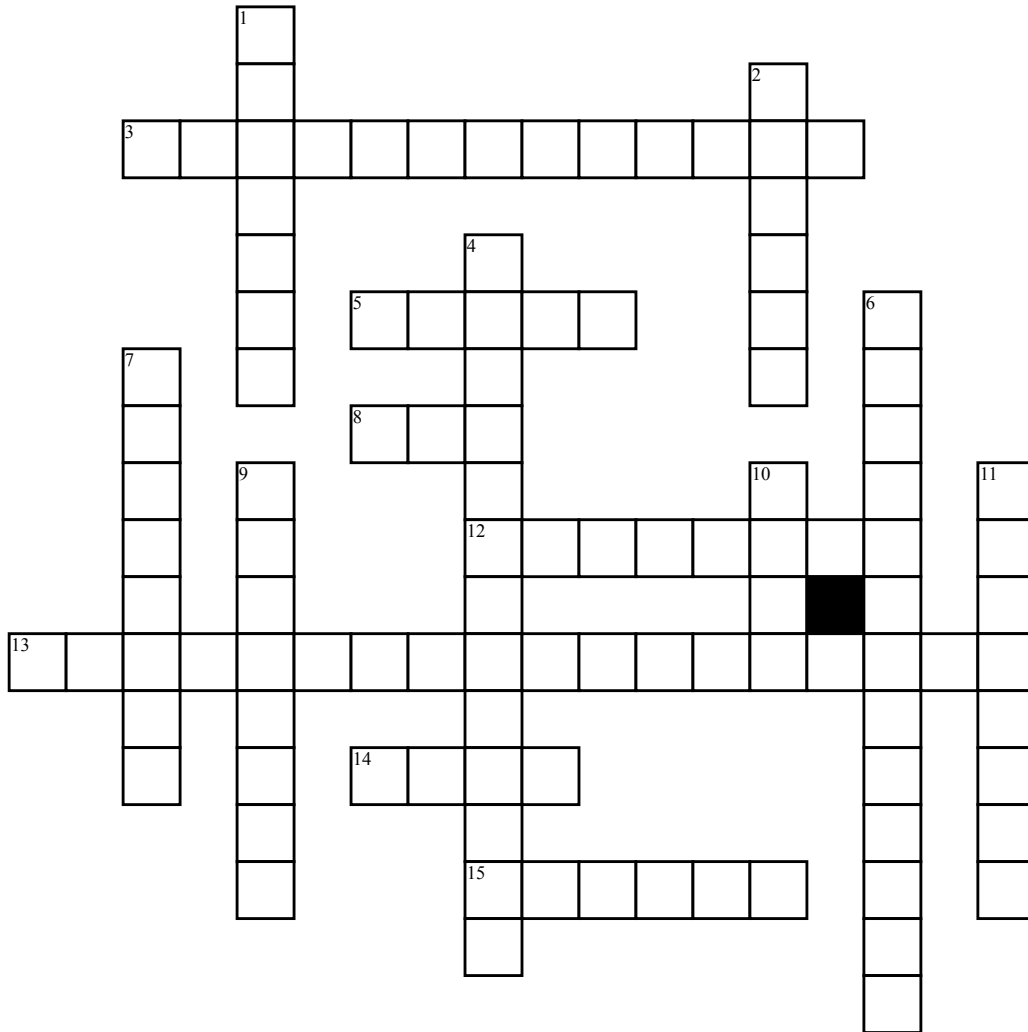# Geometry Crossword

Across

3. lines that point in opposite directions and have different steepness

5. 2 congruent polygon bases

8. a section of a circle defined by 2 endpoints of radii

12. $(x^1+x^2/2, y^1+y^2/2)$

13. $a^2+b^2=c^2$

14. $A=\pi r^2$

15. they have infinite points

Down

1. 1 polygon base and triangular lateral faces

2. the distance between the center of a circle and the edge of a circle

4. the distance around a circle; $C=2\pi r$

6. can use pythagorean theorem to find its missing sides

7. a branch of mathematics that studies the sizes, shapes, positions angles, and dimensions of things

9. lines have the same steepness and direction, so they have the same slope

10. the "S" in SOH-CAH-TOA; the ratio of the opposite leg to the hypotenuse

11. appears exactly like the original by reflection or rotation

Word Bank

Right Triangle	Perpendicular	Arc	Area
Prism	Midpoint	Circle	Circumference
Pyramid	Radius	Parallel	Geometry
Pythagorean Theorem	Sine	Symmetry	