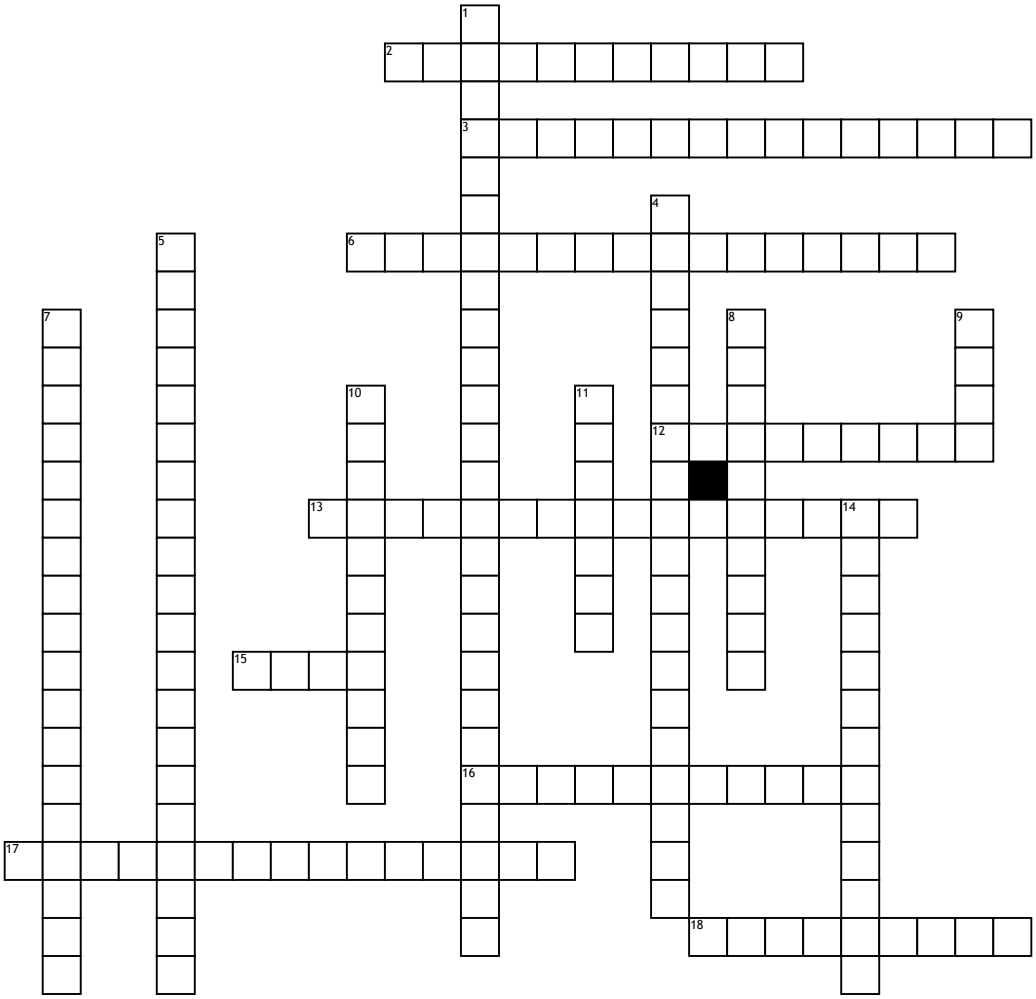
Name: _____ Date: _____ Period: _____

Triangle Properties Crossword Puzzle



Across

2. Angle between 2 congruent sides in an isosceles triangle

3. Sum of measure of angles of a triangle is 180° (Theorem)

6. If one side of a triangle is larger than another angle, then the side opposite the larger angle is longer than the side opposite the smaller angle. (Theorem)

12. Term used to classify a triangle with at least one two congruent sides

13. If one side of a triangle is longer than another side, then the angle opposite the longer side is larger than the angle opposite the shorter side, (Theorem)

15. noncongruent side of an isosceles triangle

16. Term used to classify a triangle with all congruent angles

17. If two angles of a triangle congruent to two angles of another triangle, then the 3rd angle of the triangles are congruent. (Theorem)

18. Term used to describe acute angles of right triangles that are complementary

Down

1. Sum of lengths of any two sides of triangle is greater than the length of the 3rd side. (Small + medium >large) (Theorem)

4. An angle inside a triangle that is not adjacent to the exterior angle

5. The measure of the exterior angle of a triangle is equal to the sum of the measures of the 2 remote interior angles. (Theorem)

7. Its used to find the length of a side of a right triangle when the lengths of the other two sides are known. (Theorem)wn

8. The longest side, opposite of the right angle in a right triangle

9. Two congruent sides in an isosceles triangle that are the two shortest sides forming a right angle

10. Term used to classify a triangle with all three congruent sides

11. Term used to classify a triangle with no congruent sides

14. Its formed by one side of the triangle and extension of an adjacent side

Word Bank

Legs
Pythagorean Theorem
Angle Sum Theorem
Equilateral
Exterior angle
Base
Remote Interior angle
Angle Side Theorem
Vertex angle
Triangle Inequality Theorem
Hypotenuse
Corollary
Exterior Angle Theorem
Scalene
Side Angle Theorem
No Choice Theorem
Isosceles
Equiangular