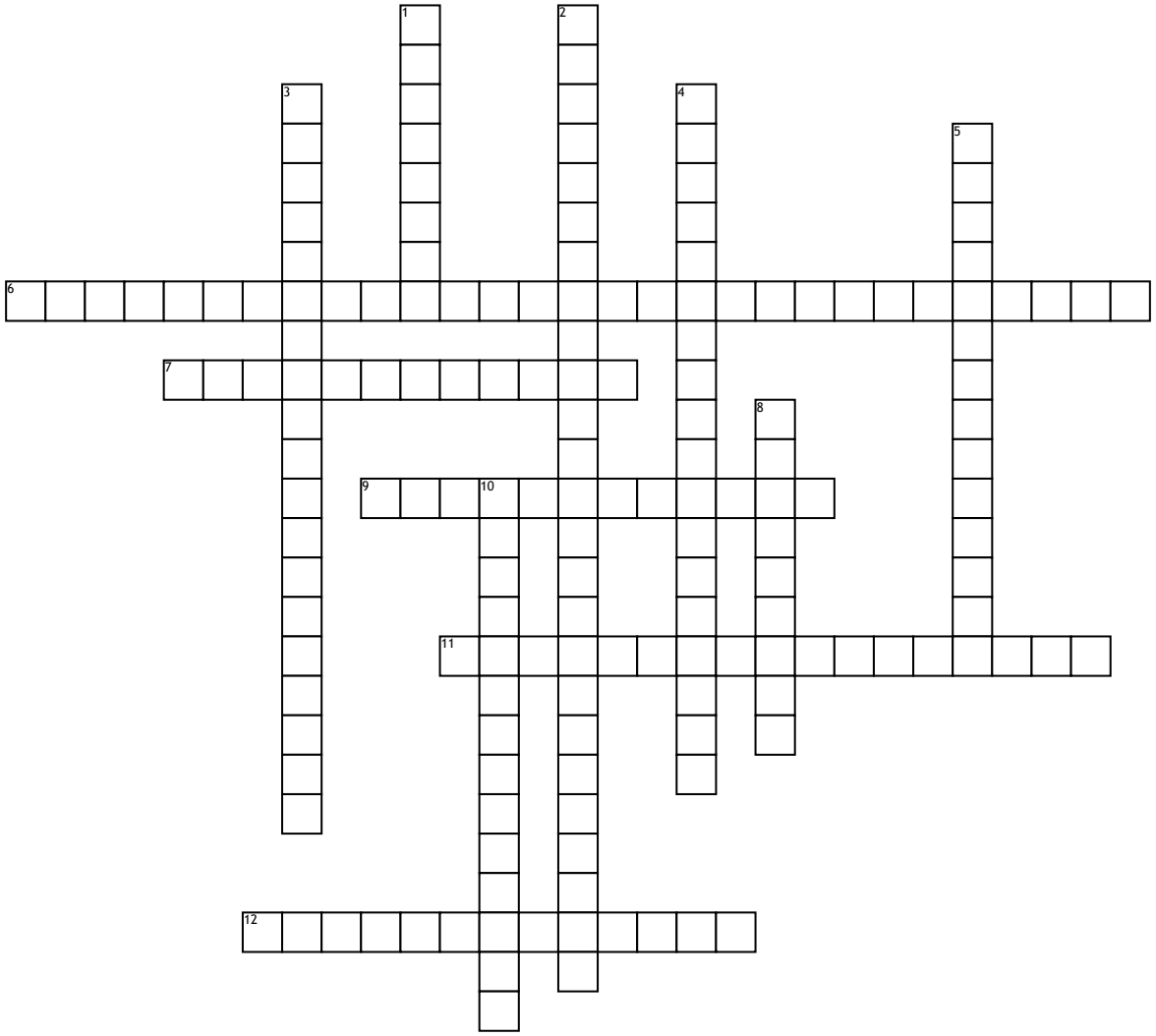
Name: _____ Date: _____ Period: _____

Triangle Proofs



Across

6. Same Side Interior Angles are supplementary if and only if the transversal that passes through two lines that are parallel.

7. If three sides of one triangle are congruent to three sides of another triangle, then the triangles are congruent.

9. An undefined term in geometry, a line is a straight path that has no thickness and extends forever. It also forms a straight angle which measures 180°

11. any measure is equal to itself (a = a)

12. The ray that divides an angle into two congruent angles

Down

1. The point that divides a segment into two congruent segments

2. Corresponding angles are congruent if and only if the transversal that passes through two lines that are parallel.

3. Any two angles that have a sum of 180°

4. Lines that intersect to form right angles or 90°

5. If two angles and the included side of one triangle are congruent to two angles and the included side of another triangle, then the triangles are congruent.

8. Having the exact same size and shape and there by having the exact same measures

10. If two angles and the non-included side of one triangle are congruent to two angles and the non-included side of another triangle, then the triangles are congruent