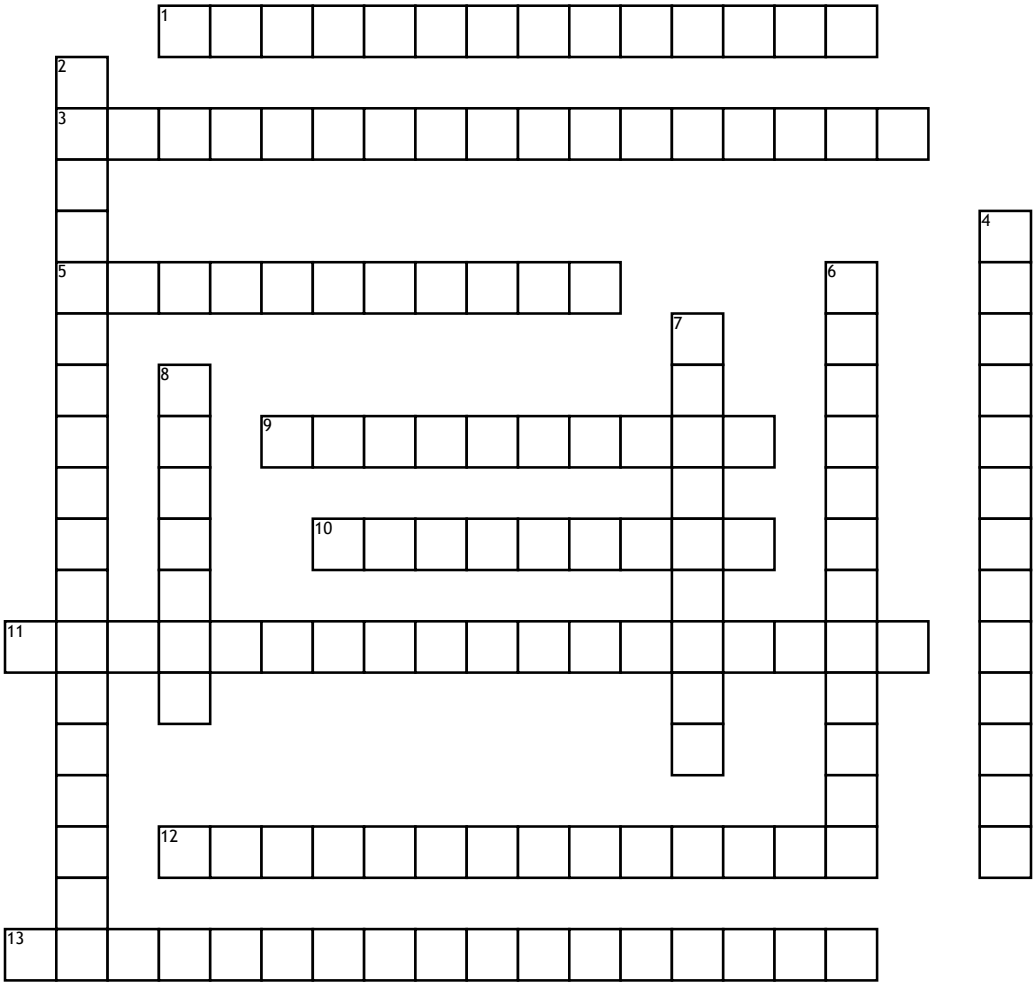
Name: _____ Date: _____ Period: _____

Triangle Definitions



Across

1. If two pairs of corresponding angles have equal measure and the pair of sides between them have equal measure, then the triangles are congruent.
3. States that a term is equal to itself.
5. The ratio that indicates how the side lengths of two polygons are related.
9. Parts of similar polygons that match up with each other.
10. A diagram that shows the flow of thinking.
11. The measures of the angles in any triangle always add up to 180 degrees.
12. If two pairs of corresponding angles and a pair of corresponding sides have that are not between them have equal measure, then the triangles are congruent.
13. For any two terms, a and b, if a=b, then b=a.

Down

2. For a any three terms, a, b, and c, if a=b and b=c, then a=c.
4. If two pairs of corresponding sides have equal lengths and the corresponding angles between them (the included angles) have equal measure, then the triangles are congruent.
6. If all three pairs of corresponding sides have equal length, then the triangles are congruent.
7. When two polygons map onto each other after a sequence of rigid transformations.
8. After a sequence of rigid transformations and a growth or shrink (dilation), two polygons map onto each other. (Same angle measures but different side lengths).

Word Bank

Congruent
Side-Angle-Side
Triangle Sum Theorem
Side-Side-Side
Symmetric Property
Transitive Property
Correspond
Similar
Flowchart
Scale Factor
Angle-Angle-Side
Reflexive Property
Angle-Side-Angle