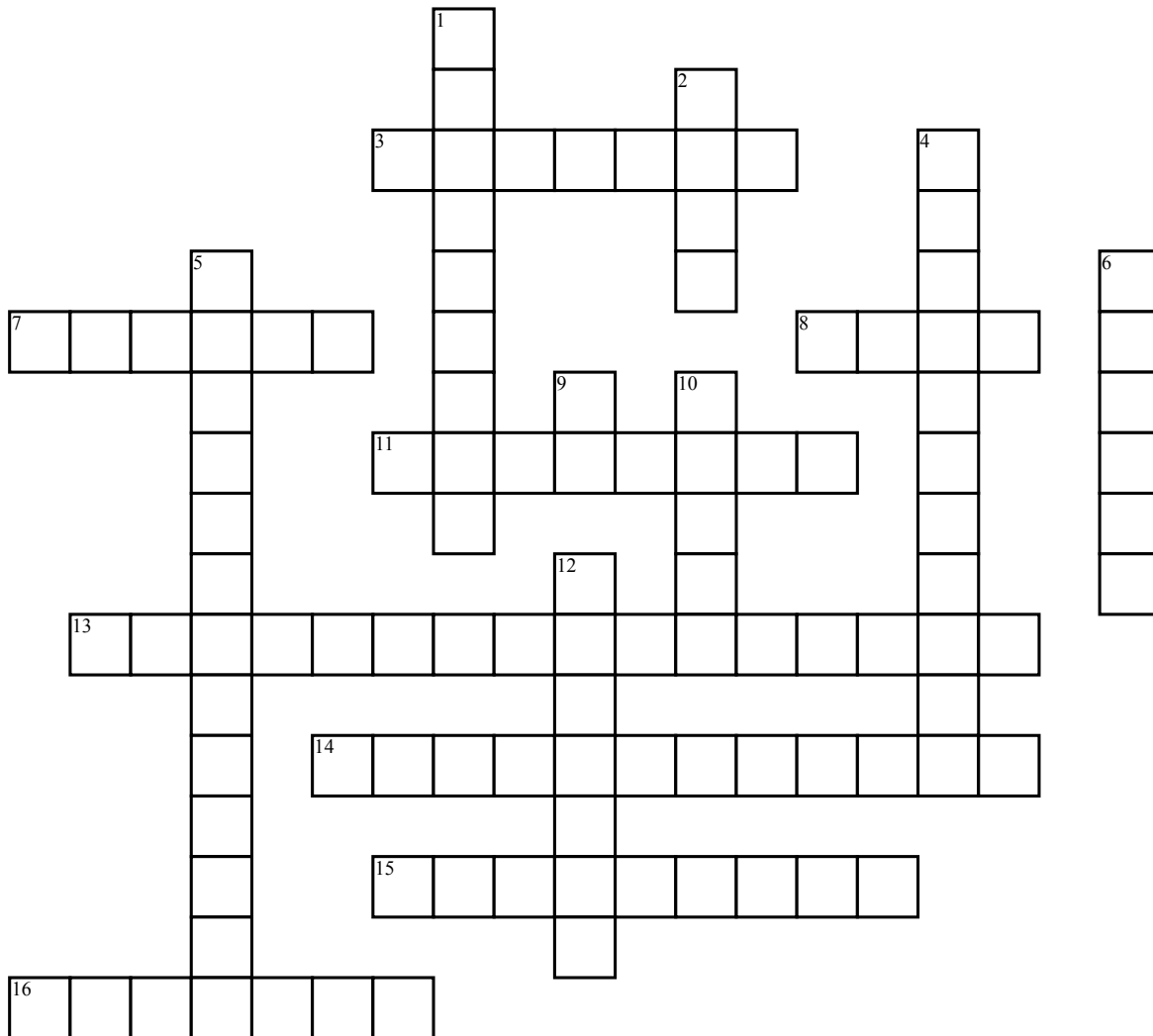Name: _____ Date: _____

Create a Crossword Choice Board

Across

3. Two triangles that have two pairs of angles congruent can be proved

7. Has all the properties of a rhombus and a rectangle

8. Hypotenuse over leg equals leg over segment

11. A rigid motion that does not preserve distance

13. In rhombus ABCD, diagonals AC and BC intersect at E. If the measure of angle ACB is 30, what is the measure of angle ADC?

14. When a dilation is performed on an octagon , which property of the octagon will be preserved?

15. Has all five properties of a parallelogram plus the diagonals congruent

16. A Quadrilateral with all four side lengths congruent

Down

1. The base of an isosceles triangle is 10 and its perimeter is 30. If the base of a similar isosceles triangle is 12, what is its perimeter?

2. Segment over altitude equals altitude over segment

4. Image over pre-image is the

5. A Quadrilateral with both pairs of opposite sides parallel

6. The areas of two similar triangles are 64 sq cm and 36 sq cm. If the length of a side of the larger triangle is 16 cm, then what is the length of the corresponding side of the smaller triangle?

9. A method used to prove two triangles similar

10. In triangle ABC, point D is on AB, and point E is on BC such that DE is parallel to AC. If DB = 4, DA = 12, and DE = 2, what is the length of AC?

12. In parallelogram ABCD, if the measure of angle ABC is 110, what is the measure of angle BAD?