Geometry – Mr. Bo   Name: _____

Unit 7 Glossary Review
(This review glossary must be turned in on the day of the unit test)

Similar Polygons: 2 polygons are similar only if 2 conditions are met:

     1. _____

     2. _____

     Similarity Ratio: _____

     Theorem: The ratio of the *Perimeters* of 2 similar polygons = _____.

     Theorem: The ratio of the *Areas* of 2 similar polygons = _____.

"Splitter" Theorems

Δ Side Splitter Theorem:	*Δ Angle Splitter Theorem*:
Picture:	Picture:

Δ Similarity Theorems:

     1. *AA Similarity*: _____.

     2. *SAS Similarity*: _____.

     3. *SSS Similarity*: _____.

Δ Similarity Result: If 2 Δ's are similar then, the ratios of corresponding sides are _____.

Cross Multiplication Postulate:

     In a proportion, the product of the _____ = the product of the _____.

Right Triangles:

Pythagorean Theorem:	*Altitude Rule:*	*Leg Rule:*
Picture:	Picture:	Picture:

Pythagorean Converse: *if c is the hypotenuse and a & b are the legs of a right Δ, then*:

      1. If $a^2 + b^2 < c^2$, then ΔABC is a _____ triangle.

      2. If $a^2 + b^2 = c^2$, then ΔABC is a _____ triangle.

      3. If $a^2 + b^2 > c^2$, then ΔABC is a _____ triangle.

Special Right Triangles:

45-45-90 Picture:	30-60-90 Picture: