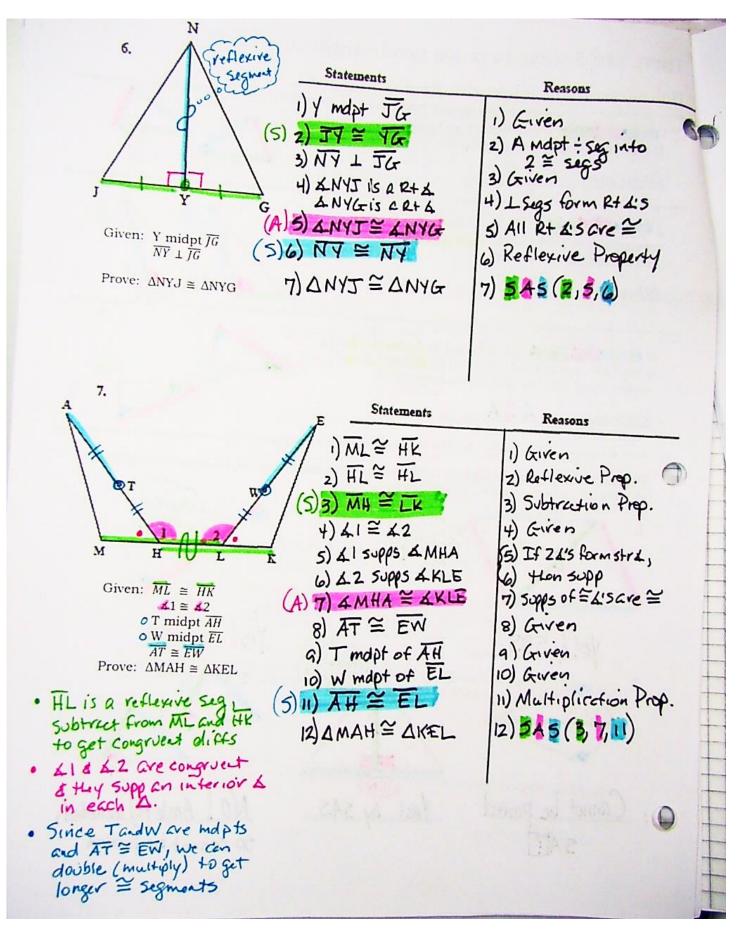
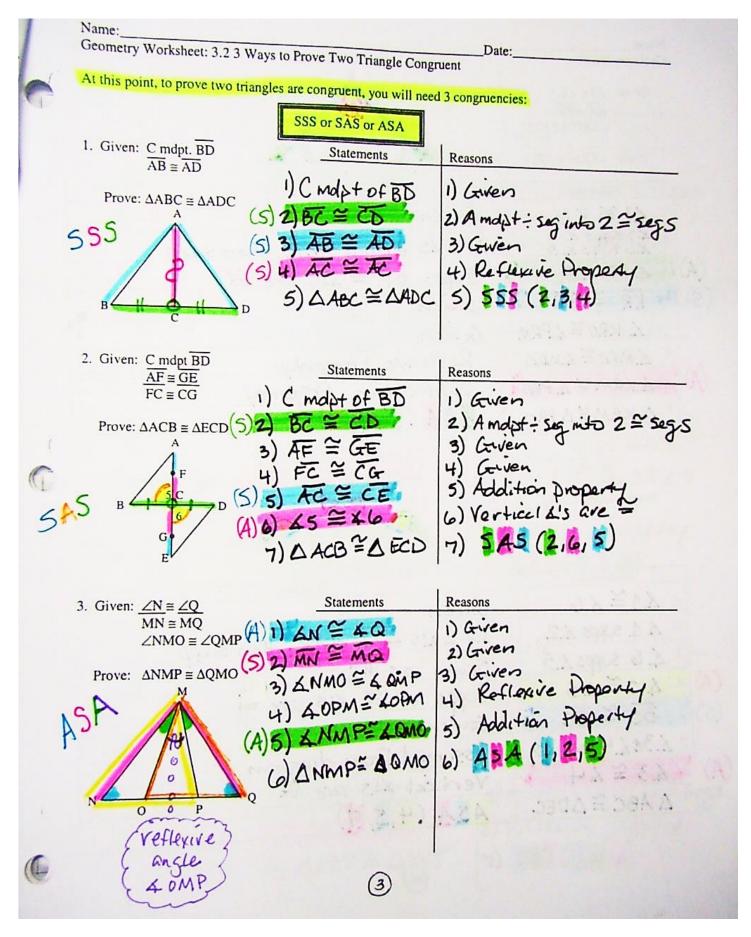
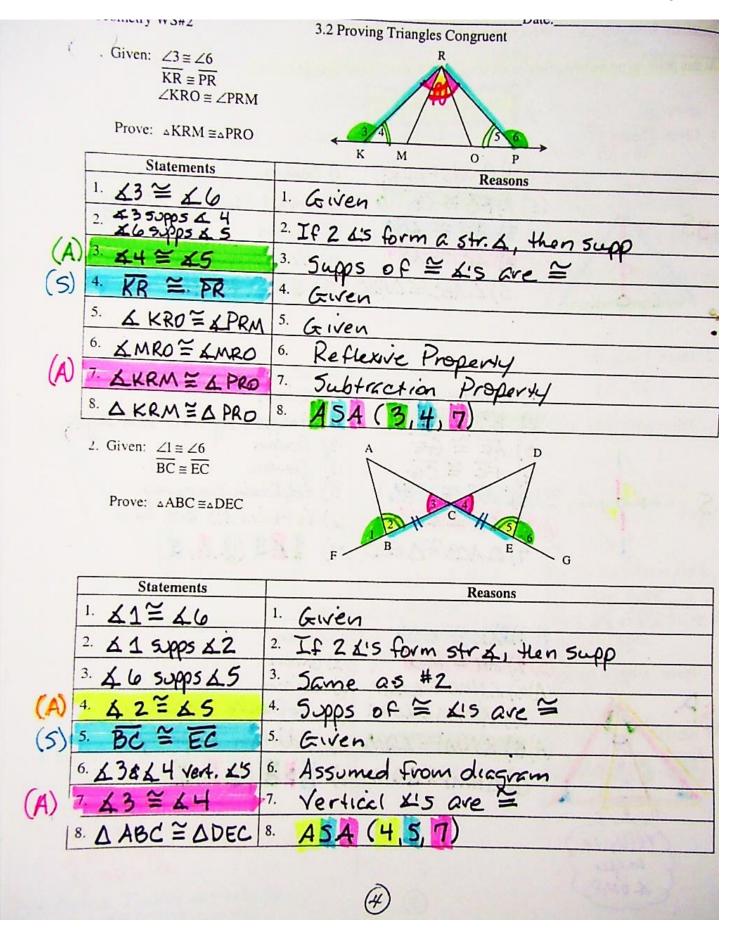
## TOPIC 4: THREE METHODS OF PROOF (SSS, SAS, ASA)

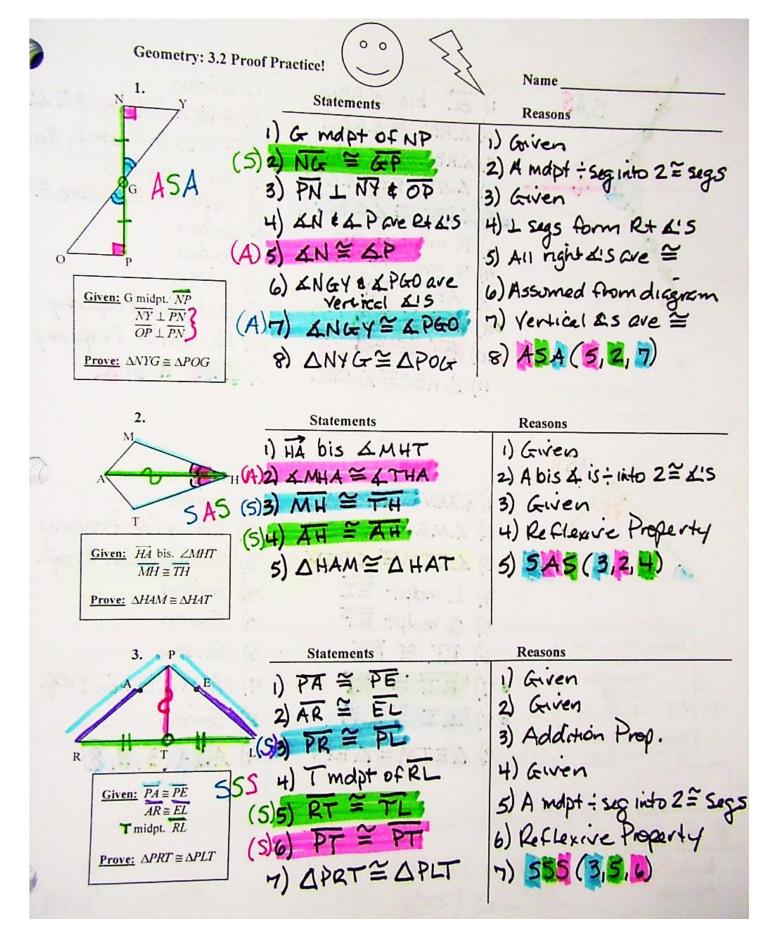
There are 5 ways to prove two triangles congruent. Below you will learn the first 3 methods. 1. Side Side Side: If the 3 sides of one triangle are congruent to the 3 sides of another triangle, then the triangles are congruent. 555 Abbreviation: 2. Side Angle Side: If 2 sides and the included angle of a triangle are congruent to 2 sides and the included angle of another triangle, then the triangles are congruent. SAS Abbreviation: 3. Angle-Side Angles If 2 angles and the included side of a triangle are congruent to 2 angles and the included side of another triangle, then the triangles are congruent. ASA Abbreviation: 0 Determine if each pair of triangles can be proved congruent. If they can be, state which method can be used. If they cannot be, write "Cannot be proved". 1. Segma Yes by 555 3. : Cannot be proved Angle not included, Yes! by SAS 50 cannot be proved 5

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