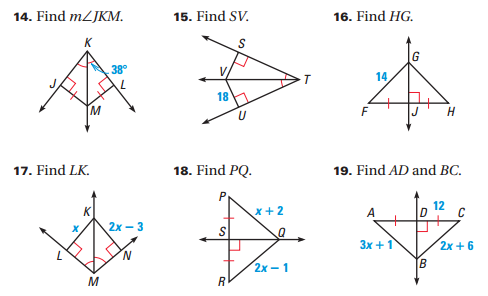
**Unit 8 Review** Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Part 1** Given , answer the following questions:

1. If and is , what is ?
2. If and and , what is
3. If and and , what is ?

**Part 2** State the postulate that could be used to prove the triangles congruent.

|  |  |  |
| --- | --- | --- |
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**Solve the following**

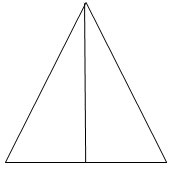
**Part 3** Definitions. Make sure you know the following:

* SSS Congruence Postulate
* SAS Congruence Postulate
* ASA Congruence Postulate
* AAS Congruence Theorem
* HL Congruence Theorem
* Isosceles Triangle Theorem
* Converse of Isosceles Triangle Theorem
* Perpendicular Bisector
* Angle Bisector
* Segment Bisector
* Reflexive Property of Congruence
* Transitive Property of Congruence
* Alternate Interior Angles Theorem
* Corresponding Angles Theorem
* SSS Similarity Theorem
* SAS Similarity Theorem
* Angle Angle Similarity Theorem

1. CPCTC – If two triangles are congruent, then their corresponding parts are \_\_\_\_\_\_\_\_\_\_\_\_\_\_.

**Part 4** Proofs

G

Given with , and .

Prove .

S

B

AT

Given

and are right triangles

<ASG and <BSG are right angles