

MATHEMATICS
GRADE 9

Name: _____ No. ____ Grade 9/____

MATHEMATICAL SKILLS INVOLVING TRIANGLES
AND PARALLEL LINES

corresponding sides transversal sides	right angles interior angles angles	ratio triangles equal
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Complete the sentences.

1. The three angles of a triangle added together are equal to two _____ or 180° .
2. Two _____ are **congruent** if two sides and the included angles are equal (SAS).
3. Two triangles are congruent if two _____ and a corresponding side are equal (ASA).
4. Two triangles are congruent if three corresponding _____ are equal (SSS).
5. Two triangles are **similar** if the corresponding angles are _____.
6. Two triangles are similar if the corresponding sides are in the same _____.
7. Two triangles are **similar** if two pairs of _____ are in the same ratio and the angles included between them are equal.
8. When two **parallel lines** are cut by a _____ the alternative angles are equal, the corresponding angles are equal, and the _____ add up to 180° .

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