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| 1. Alternate Exterior Angles | Lie on different sides of transversal outside the parallel lines (congruent). | 16. Side-Angle-Side (SAS) Postulate | If two sides and the included angle of one triangle are congruent to two sides and the included angle of another triangle, then the two triangles are congruent. |
| 2. Alternate Interior Angles | Line on different sides of the transversal between the parallel lines (congruent). | 17. Side-Side-Side (SSS) Postulate | If the three sides of one triangle are congruent to three sides of another triangle, then the two triangles are congruent. |
| 3. Angle-Angle-Side (AAS) | If two angles and a nonincluded side of one triangle are congruent to two angles and a nonincluded side of another triangle, then the two triangles are congruent. | 18. Supplementary | The sum of the measures of two angles is 180° . |
| 4. Angle-Side-Angle (ASA) | If two angles and the included side of one triangle are congruent to two angles and the included side of another triangle, then the two triangles are congruent. | 19. Vertex Angle of an Isosceles Triangle | The angle opposite the base of an isosceles triangle. |
| 5. Base Angles of an Isosceles Triangle | Two congruent angles of an isosceles triangle. | | |
| 6. Base of an Isosceles Triangle | Side opposite of the vertex angle in an isosceles triangle. | | |
| 7. Congruence | When two figures have the same shape and size. | | |
| 8. Congruent Polygons | Polygons that have the same size and shape. | | |
| 9. Corollary | Statement that can be proved easily by applying a theorem. | | |
| 10. Corresponding Angles | Lie on the same side of the transversal and in corresponding positions (congruent). | | |
| 11. Hypotenuse | The side of a right triangle opposite the right angle; the longest side of a right triangle. | | |
| 12. Hypotenuse-Leg (HL) | If the hypotenuse and a leg of one right triangle are congruent to the hypotenuse and a leg of another right triangle, then the triangles are congruent. | | |
| 13. Legs of an Isosceles Triangle | The two congruent sides of an isosceles triangle. | | |
| 14. Legs of a Triangle | | | |
| 15. Same-Side Interior Angles | Lie on the same side of the transversal and between the intersected lines (supplementary). | | |