**Cholkar MCHS MATH II \_\_\_/\_\_\_/\_\_\_ Name\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Lesson 3 Congruent Triangles Notes**

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| **ANGLE-SIDE-ANGLE (ASA) CONGRUENCE POSTULATE:** If two angles and the included side of one triangle are congruent to two angles and the included side of another triangle, then \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**Diagram:** |

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| **SIDE-ANGLE-SIDE (SAS) CONGRUENCE POSTULATE:** If two sides and the included angle of one triangle are congruent to two sides and the congruent angle of another triangle, then \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**Diagram:**  |

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| **SIDE-SIDE-SIDE (SSS) CONGRUENCE POSTULATE:** If three sides of one triangle are congruent to three sides of another triangle, then \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**Diagram:**  |

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| **ANGLE-ANGLE-SIDE (AAS) CONGRUENCE POSTULATE:** If two angles and a non-included side of one triangle are congruent to the corresponding angles and side of another triangle, then \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_.**Diagram:** |

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| **HYPOTENUSE-LEG (HL) CONGRUENCE THEOREM:** If the hypotenuse and a leg of a right triangle are congruent to the hypotenuse and a leg of a second right triangle, then \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_. |

