

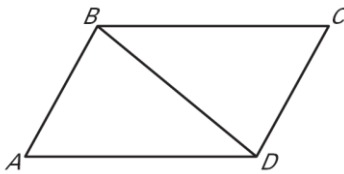
Name _____

Date _____

Assignment 32 LESSON 4.5

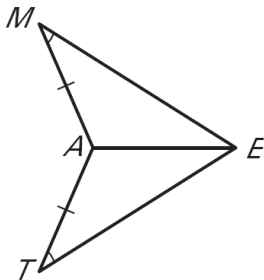
Use the diagram to name the included angle between the given pair of sides.

1. \overline{AB} and \overline{BC}
2. \overline{BC} and \overline{CD}
3. \overline{AB} and \overline{BD}
4. \overline{BD} and \overline{DA}
5. \overline{DA} and \overline{AB}
6. \overline{CD} and \overline{DB}

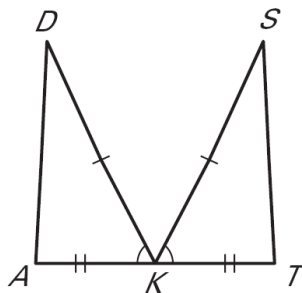


Decide whether enough information is given to prove that the triangles are congruent using the SAS Congruence Postulate.

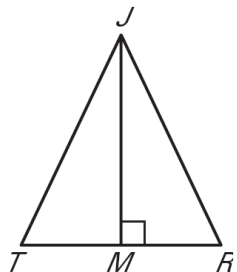
7. $\triangle MAE, \triangle TAE$



8. $\triangle DKA, \triangle TKS$

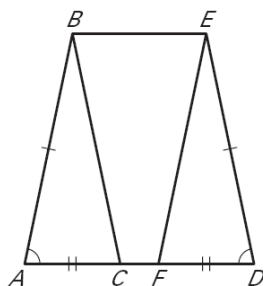


9. $\triangle JRM, \triangle JTM$

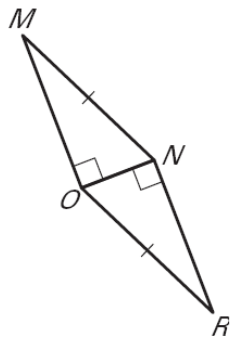


Decide whether enough information is given to prove that the triangles are congruent. If there is enough information, state the congruence postulate or theorem you would use.

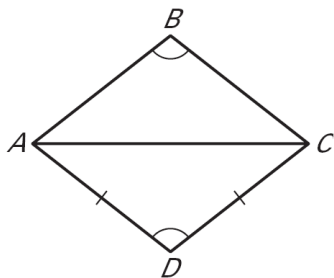
10. $\triangle ABC, \triangle DEF$



11. $\triangle MNO, \triangle RON$



12. $\triangle ABC, \triangle ADC$



State the third congruence that must be given to prove that $\triangle JRM \cong \triangle DFB$ using the indicated postulate.

13. GIVEN: $\overline{JR} \cong \overline{DF}$, $\overline{JM} \cong \overline{DB}$, $\underline{\quad?} \cong \underline{\quad?}$ Use the SSS Congruence Postulate.

14. GIVEN: $\overline{JR} \cong \overline{DF}$, $\overline{JM} \cong \overline{DB}$, $\underline{\quad?} \cong \underline{\quad?}$ Use the SAS Congruence Postulate.

15. GIVEN: $\overline{RM} \cong \overline{FB}$, $\angle J$ is a right angle and $\angle J \cong \angle D$, $\underline{\quad?} \cong \underline{\quad?}$ Use the HL Congruence Theorem.

