

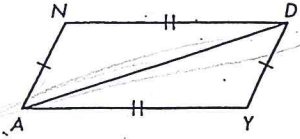
# Chapter 5

# Practice 2

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

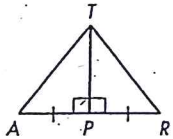
## Lesson 5.4

1. What conjecture tells you that  $\triangle AND$  is congruent to  $\triangle DYA$ ? *2 CBD*



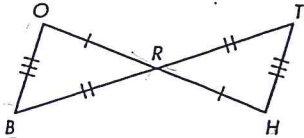
\_\_\_\_\_

2. What conjecture tells you that  $\triangle PTA$  is congruent to  $\triangle PTR$ ?



\_\_\_\_\_

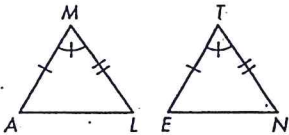
3. What conjecture tells you that  $\triangle ROB$  is congruent to  $\triangle RHT$ ?



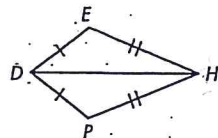
\_\_\_\_\_

From the information given, complete each statement. If the triangles cannot be shown to be congruent from the information given, write "Cannot be determined" and redraw the figures to show that the triangles are clearly not congruent. Do not assume that segments or angles are congruent just because they appear to be congruent.

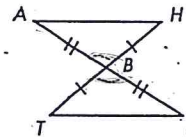
4.  $\triangle MAL \cong$  \_\_\_\_\_



5.  $\triangle HED \cong$  \_\_\_\_\_

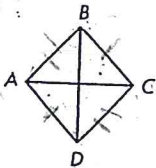


6.  $\triangle ABH \cong$  \_\_\_\_\_

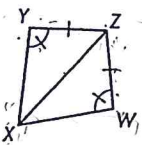


7. ABCD is a rhombus.

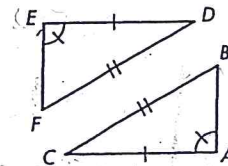
$\triangle ABD \cong$  \_\_\_\_\_



8.  $\triangle XYZ \cong$  \_\_\_\_\_

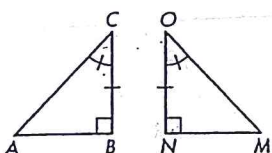


9.  $\triangle ACB \cong$  \_\_\_\_\_

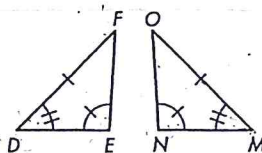


## Lesson 5.5

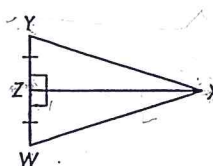
13. What conjecture tells you that  $\triangle ABC$  is congruent to  $\triangle MNO$ ? \_\_\_\_\_



14. What conjecture tells you that  $\triangle DEF$  is congruent to  $\triangle MNO$ ? \_\_\_\_\_



15. What conjecture tells you that  $\triangle XZY$  is congruent to  $\triangle XZW$ ? \_\_\_\_\_



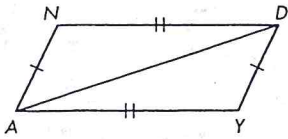
# Chapter 5

# Practice 2

Name \_\_\_\_\_ Period \_\_\_\_\_ Date \_\_\_\_\_

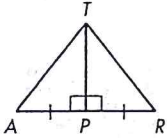
## Lesson 5.4

1. What conjecture tells you that  $\triangle AND$  is congruent to  $\triangle DYA$ ?



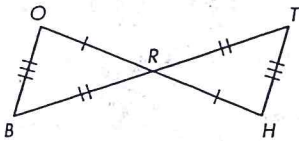
SSS

2. What conjecture tells you that  $\triangle PTA$  is congruent to  $\triangle PTR$ ?



SAS

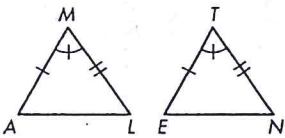
3. What conjecture tells you that  $\triangle ROB$  is congruent to  $\triangle RHT$ ?



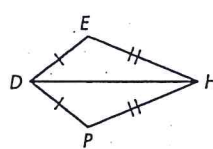
SSS or SAS

From the information given, complete each statement. If the triangles cannot be shown to be congruent from the information given, write "Cannot be determined" and redraw the figures to show that the triangles are clearly not congruent. Do not assume that segments or angles are congruent just because they appear to be congruent.

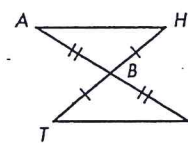
4.  $\triangle MAL \cong \triangle TEN$  SAS



5.  $\triangle HED \cong \triangle HPD$  SSS

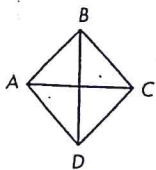


6.  $\triangle ABH \cong \triangle IBT$  SAS



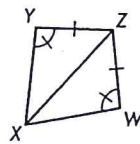
7. ABCD is a rhombus.

$\triangle ABD \cong \triangle CBD$  or  $\triangle CDB$  SSS

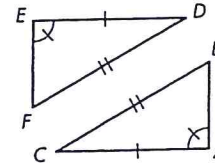


*or any other conj.*

8.  $\triangle XYZ \cong \triangle XWZ$  C.B.D (SSA)

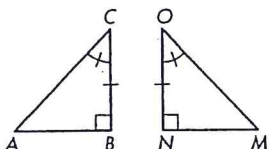


9.  $\triangle ACB \cong \triangle BAC$  C.B.D (SSA)

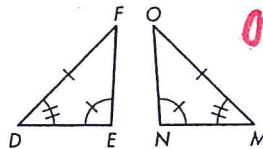


## Lesson 5.5

13. What conjecture tells you that  $\triangle ABC$  is congruent to  $\triangle MNO$ ? ASA



14. What conjecture tells you that  $\triangle DEF$  is congruent to  $\triangle MNO$ ? SAA or AAS



15. What conjecture tells you that  $\triangle XZY$  is congruent to  $\triangle XZW$ ? SAS

