

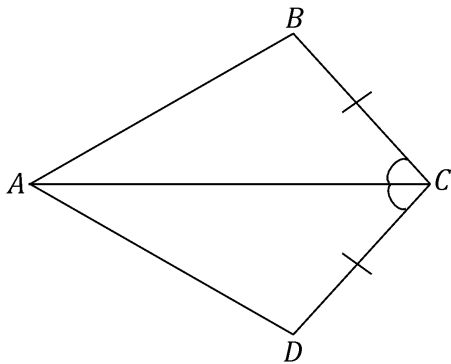
# Are They Congruent? - 2

NAME \_\_\_\_\_

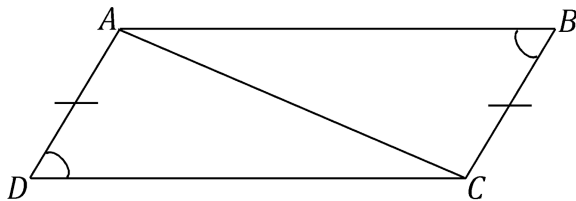
## Problem Set

In the following problems, determine whether the triangles are *congruent*, *not congruent*, or *not necessarily congruent*; justify your reasoning. If the relationship between the two triangles yields information that establishes a condition, describe the information or mark it in the drawing. If the triangles are identical, state the congruence theorem and write a triangle correspondence that matches the sides and angles.

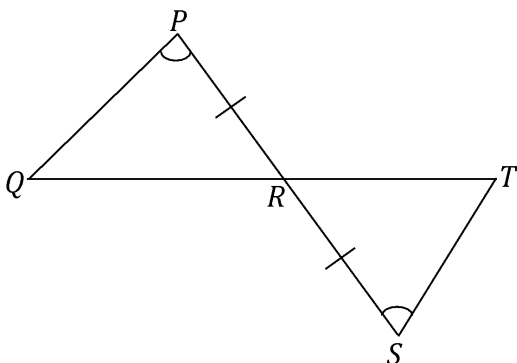
1.                                      **Congruent**                                      **Not Congruent**                                      **Not Necessarily Congruent**



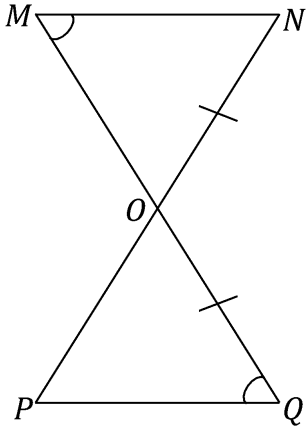
2.                                      **Congruent**                                      **Not Congruent**                                      **Not Necessarily Congruent**



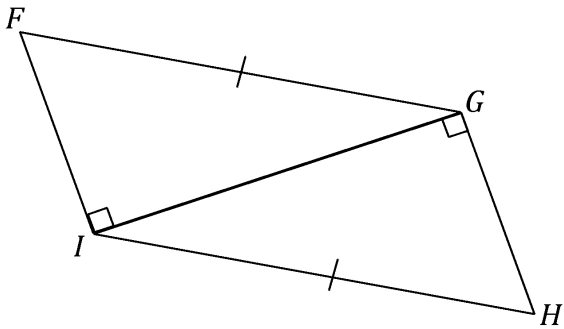
3.                                      **Congruent**                                      **Not Congruent**                                      **Not Necessarily Congruent**



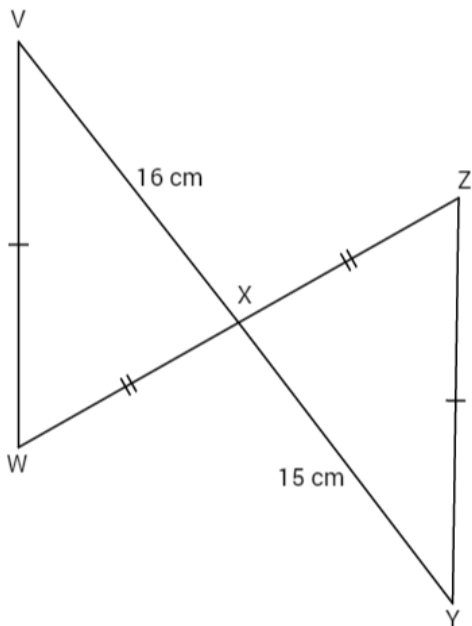
4.                                      **Congruent**                                      **Not Congruent**                                      **Not Necessarily Congruent**



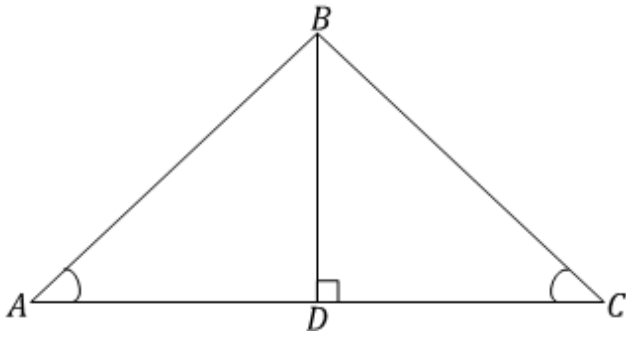
5.                                      **Congruent**                                      **Not Congruent**                                      **Not Necessarily Congruent**



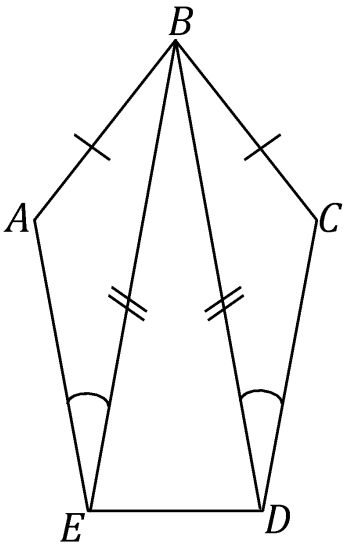
6.                                      **Congruent**                                      **Not Congruent**                                      **Not Necessarily Congruent**



7.                      Congruent                      Not Congruent                      Not Necessarily Congruent



8.                      Congruent                      Not Congruent                      Not Necessarily Congruent



9. Are there any identical triangles in this diagram?

