



Name: _____



Determine if the following pairs of triangles are congruent or not, and if so – explain your reasoning:

a) **Yes SSS**

b) **Yes SSS**

c) **No, 9 is in different positions**

d) **No Sides different lengths**

e) **No, 6 is in different positions**

f) **Yes, ASA**

g) **No, angle is in different positions**

h) **Yes, SAS**

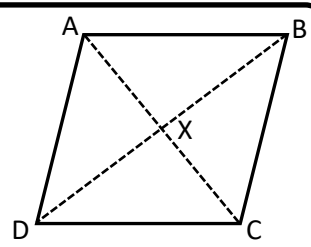
i) **Yes, RHS**

j) **No, 5 in different positions**

k) **Yes, ASA**

l) **No, 7 in different positions**

Exam question:
 ABCD is a rhombus. The diagonals of the rhombus meet at X.
 Prove that triangles AXD and BXC are congruent.



Angle AXD = Angle BXC
AX = XC, DX = BX so SAS therefore congruent

