

c. Name the two triangles in the diagram.

DEC & DMEH

d. What is the third angle in each triangle?

What is true about this third pair of angles? reflexive propert

e. Are these triangles congruent? Explain your answer.

No, there are no corresponding sides that are congruent. AAA only shows that two triangles are similar.

bisects  $\angle$  CAD and  $\angle$  CBD. Write a congruence statement for each pair of triangles in this figure that are congruent and give a reason.

AEC SAED AAS

ACER SADB ASA

3. What is true about  $\overline{AC}$  and  $\overline{AD}$ ?

4. What is true about  $\overline{BC}$  and  $\overline{BD}$ ?

2. The figure below is a kite. Diagonal  $\overline{AB}$  is the  $\bot$  bisector of diagonal  $\overline{CD}$  and also