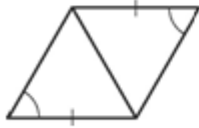


LESSON
4-4

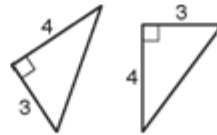
Practice B

Triangle Congruence: SSS and SAS

Write which of the SSS or SAS postulates, if either, can be used to prove the triangles congruent. If no triangles can be proved congruent, write *neither*.



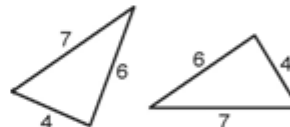
1. _____



2. _____

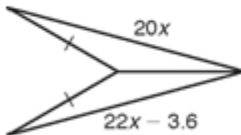


3. _____



4. _____

Find the value of x so that the triangles are congruent.



5. $x =$ _____



6. $x =$ _____

The Hatfield and McCoy families are feuding over some land. Neither family will be satisfied unless the two triangular fields are exactly the same size. You know that C is the midpoint of each of the intersecting segments. Write a two-column proof that will settle the dispute.

7. **Given:** C is the midpoint of \overline{AD} and \overline{BE} .

Prove: $\triangle ABC \cong \triangle DEC$

Proof:

