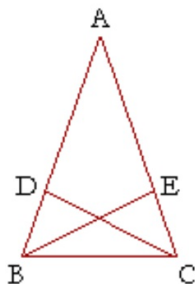


Overlapping Triangles Practice

Name: _____
Date: _____ Period: ____

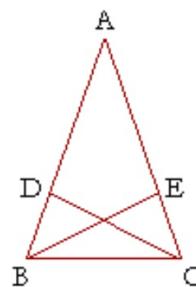
- 1) Separate and redraw the indicated triangles.
- 2) Identify any common sides or angles by marking them \cong .

a) $\triangle DBC$ and $\triangle ECB$



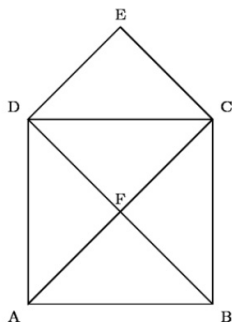
Common sides/angles? _____

b) $\triangle EBA$ and $\triangle DCA$



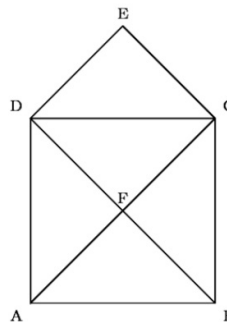
Common sides/angles? _____

c) $\triangle DBC$ and $\triangle ACB$



Common sides/angles? _____

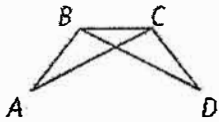
d) $\triangle DFA$ and $\triangle CFB$



Common sides/angles? _____

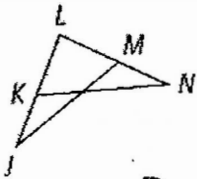
In exercises 1-4, separate and redraw the indicated triangles. Then, identify any common parts (angles or sides).

1. $\triangle ABC$ and $\triangle DCB$



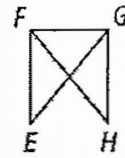
Common Parts: _____

3. $\triangle JML$ and $\triangle NKL$



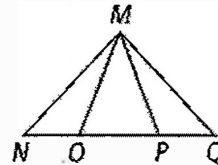
Common Parts: _____

2. $\triangle EFG$ and $\triangle HGF$



Common Parts: _____

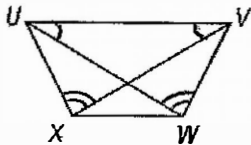
4. $\triangle MPN$ and $\triangle MOQ$



Common Parts: _____

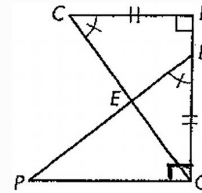
In exercises 5-8, separate and redraw the indicated triangles. Identify any common angles or sides. Then, finish the congruence statement and determine by what postulate the triangles are congruent.

5. $\triangle UXV \cong \triangle VWU$



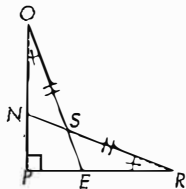
Common Parts: _____
 \triangle 's are \cong by: _____

6. $\triangle POL \cong \triangle \underline{\hspace{1cm}}$



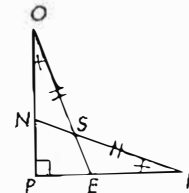
Common Parts: _____
 \triangle 's are \cong by: _____

7. $\triangle SON \cong \triangle \underline{\hspace{1cm}}$



Common Parts: _____
 \triangle 's are \cong by: _____

8. $PO = PR$
 $\triangle POE \cong \triangle \underline{\hspace{1cm}}$



Common Parts: _____
 \triangle 's are \cong by: _____