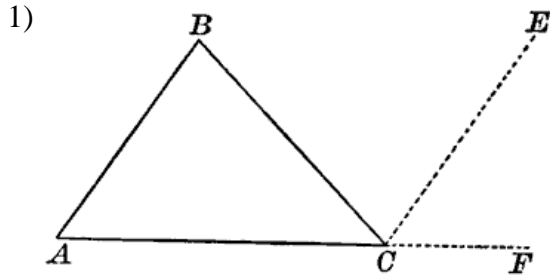


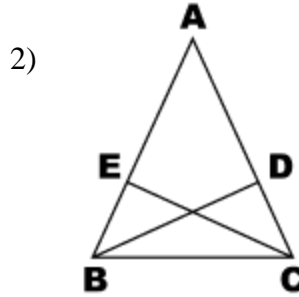
Name: \_\_\_\_\_  
 Date: \_\_\_\_\_  
 Class: \_\_\_\_\_

Geometry  
 Unit 7  
 HW 7-2

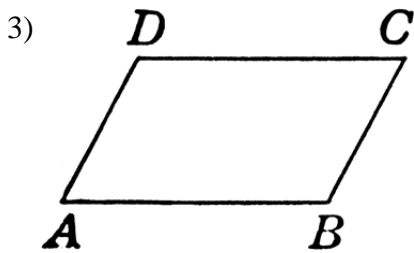
Using the diagram and given create a conclusion statement (and give a reason) that comes directly from the given information.



Given:  $\overline{CE}$  bisects  $\angle BCF$

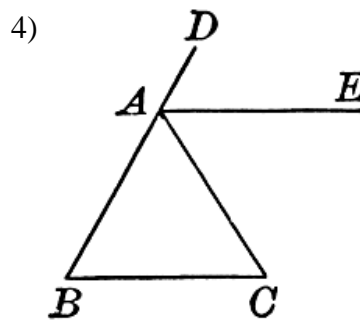


(compare  $m\angle ABD$ ,  $m\angle DBC$ ,  $m\angle ABC$ )

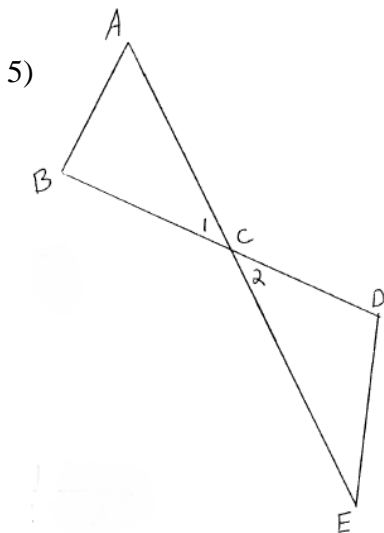


Given:  $\overline{AB} \parallel \overline{DC}$

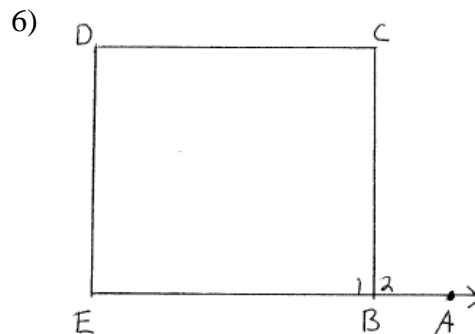
(find 2 pair of cons. int  $\angle$ s)



Given:  $\overline{AE} \parallel \overline{BC}$  (find alt int  $\angle$ s and corr  $\angle$ s)



Given:  $\triangle ABC$  is isos with  $\angle C$  as the vertex  
 (What are its base angles?)



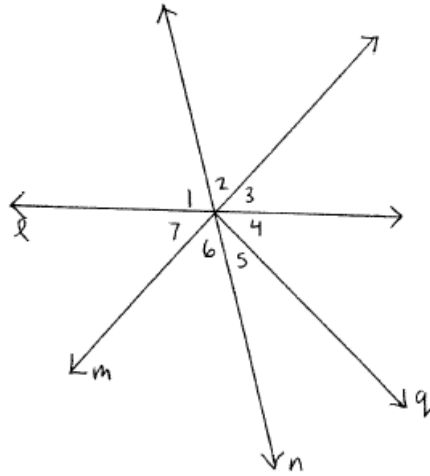
Given:  $\overline{BC} \perp \overline{EA}$

7)



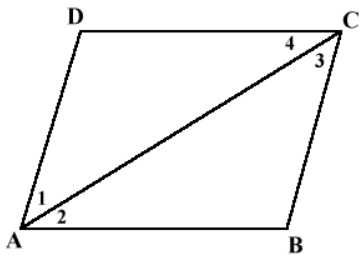
(compare AE, EB, AB)

8)



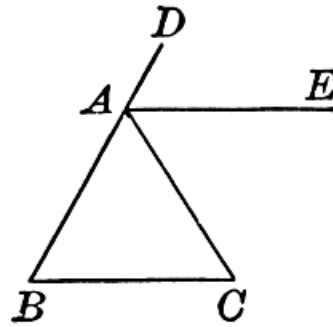
Given: l, m, n are all lines  
(find 4 groups of angles that total  $180^\circ$ )

9)



Given: ABCD is a rhombus  
(What angles are congruent?)

10)



Given:  $\overline{AE}$  bisects  $\angle DAC$