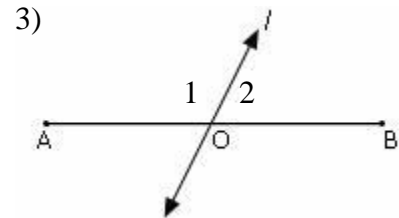
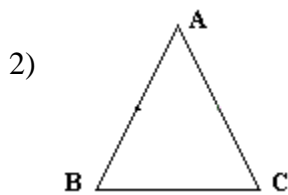
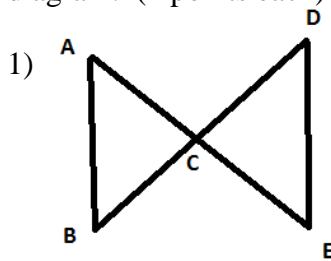


Name: _____
 Date: _____
 Class: _____

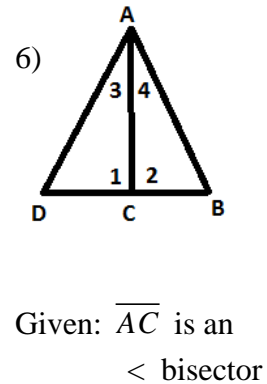
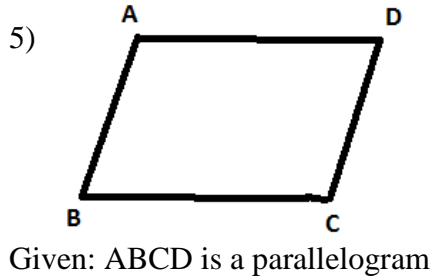
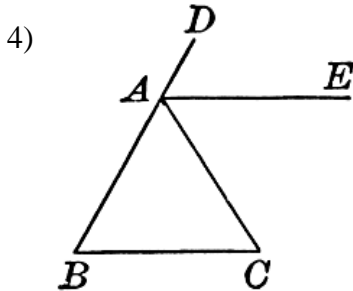
Geometry
 Unit 7
 Extra Credit

To be eligible to receive extra credit on the unit test you must have a score below 75. To receive extra credit you must score an 80% or higher on this assignment (anything lower results in no extra credit). If you earn extra credit is calculated in the following manner: $\text{Old Test Score} + (75 - \text{Old Test Score})(2/3) = \text{New Test Score}$. This assignment will not be accepted late for any reason other than missing the day of school it is due in which case it must be turned in the next day you are in school even if you do not have class.

For #1 through 3 provide one statement with a reason that must be true based only on the diagram. (2 points each)

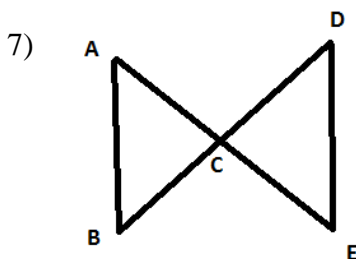


For #4 through 6 provide one statement with a reason that must be true based on the given information for the diagram. (2 points each)



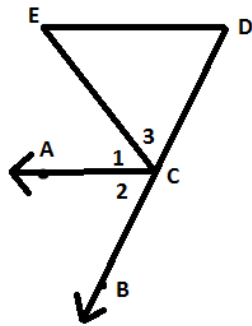
Given: $\triangle BCA$ is isos with $\angle B$ as the vertex

For each of the following picture and given information create a 5 step "proof."



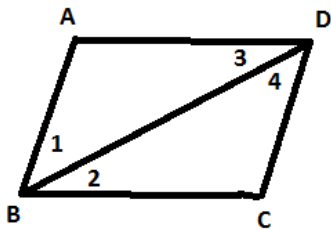
Given: \overline{AE} bisects \overline{BD}
 \overline{BD} bisects \overline{AE}

8)



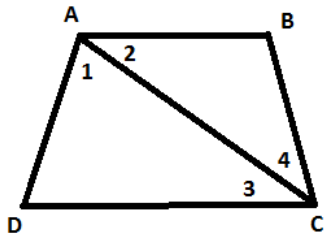
Given: \overline{CA} bisects $\angle BCE$
 $\overline{CA} \parallel \overline{ED}$

9)



Given: $\overline{AD} \parallel \overline{BC}$
 $\angle 1 \cong \angle 4$

10)



Given: $ABCD$ is an isos trapezoid