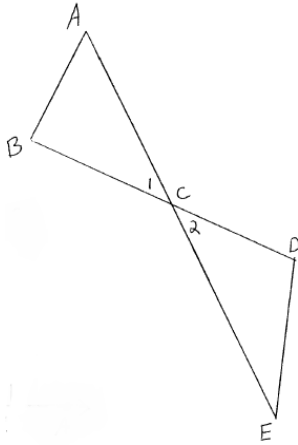


Name: _____
 Date: _____
 Class: _____

Geometry
 Unit 7
 HW 7-3

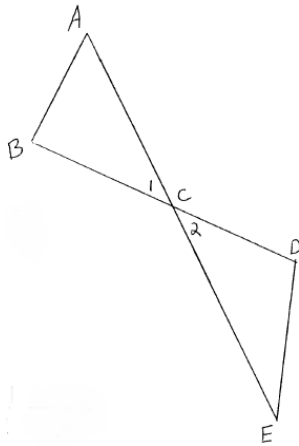
In each diagram make each given tell you at least one new piece of information with a reason.

1)



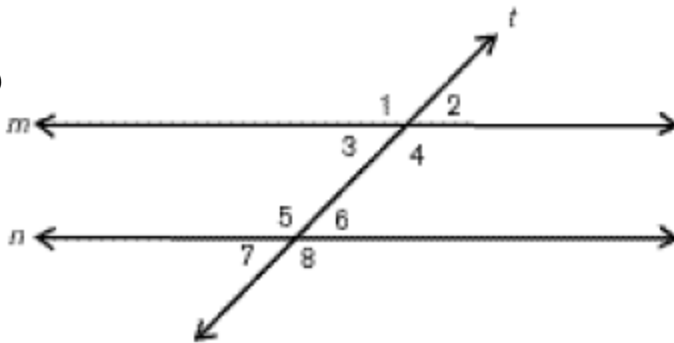
Given: $\overline{AB} \parallel \overline{DE}$
 \overline{BD} bisects \overline{AE}

2)



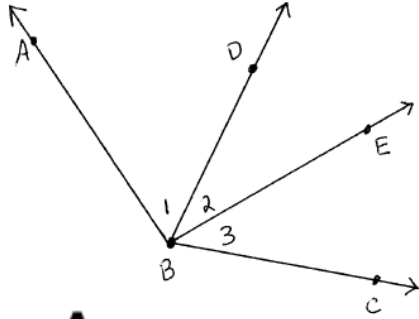
Given: $\triangle ABC$ is isosceles with C as the vertex
 $\overline{AB} \parallel \overline{DE}$

3)



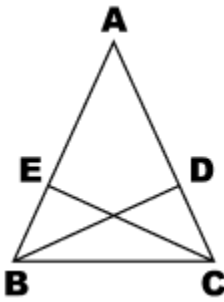
Given: $\vec{m} \parallel \vec{n}$
 (find at least 3 things true)

4)



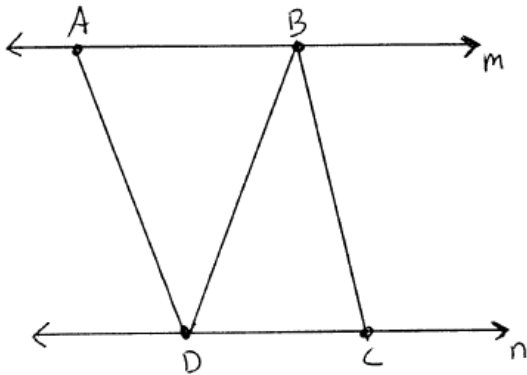
Given: $\overrightarrow{BD} \perp \overrightarrow{BC}$
 \overrightarrow{BD} bisects $\angle ABE$

5)



Given: $\triangle ACB$ is isosceles with $\angle A$ as the vertex
 \overrightarrow{BD} bisects $\angle ABC$
 \overrightarrow{CE} bisects $\angle ACB$

6)



Given: $\triangle ADB$ is isosceles with $\angle D$ as the vertex
 $\triangle DBC$ is isosceles with $\angle B$ as the vertex
 $\vec{m} \parallel \vec{n}$