In each of the following diagrams, mark any additional congruent sides and angles and briefly give a reason. [Your answer should be organized like the example.] Then write whether the triangles are congruent or if there is not enough information and briefly give a reason.

Example.

1. Yes, the triangles are congruent by SSS
   - reflexive property
   - def. of \( \perp \) lines

2. Yes, by vertical angles theorem
   - alternate interior angles theorem

3. Yes, by reflexive property

4. Yes, by isosceles triangle theorem

5. Yes, \( D \) is the midpoint of \( AB \)
   - midpoint theorem

6. \( D \) is the midpoint of \( \overline{AE} \)

7. \( \overline{BD} \) bisects \( \angle ABC \)
   - reflexive property
   - definition of angle bisector
   - isosceles triangle theorem