

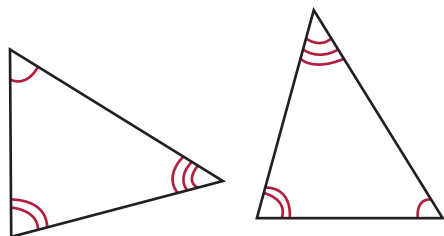
Unit 4: Geometry Lesson 4.3



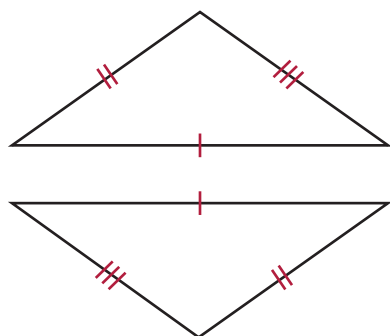
Coach's Corner – V

1. Can it be concluded that the following triangles are congruent? Explain.

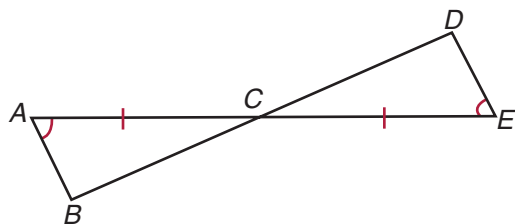
a.



b.



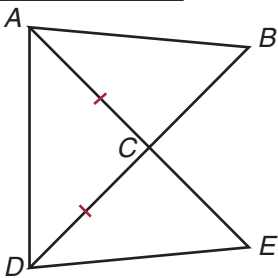
2. Prove that the two triangles in the diagram are congruent.



3. Convert the proof from Example 3 of *Lesson 4.3* into a two column proof.

Statement	Justification

4. In the diagram, knowing that $\triangle ACD$ is isosceles does not provide enough information to prove $\triangle ADE \cong \triangle DAB$.
- a. List an additional piece of information that would allow for a proof that $\triangle ADE \cong \triangle DAB$.

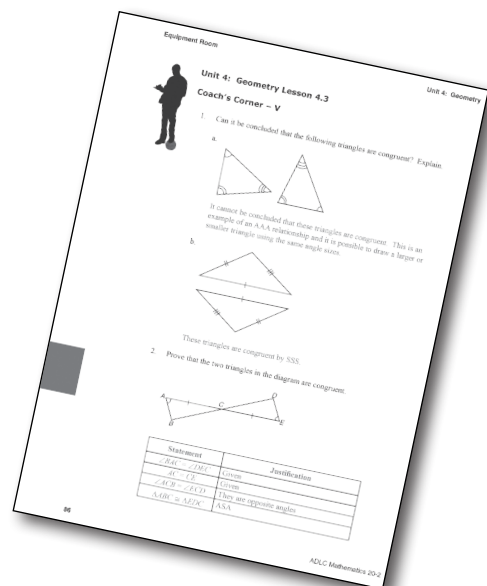


- b. Use this new piece of information to prove $\triangle ADE \cong \triangle DAB$.

Please go to the *Equipment Room* to check your solutions before proceeding to *Game On!*, on the next page of this *Workbook*.

After you have assessed your work, reflect upon your understanding of the concepts addressed in the *Coach's Corner* exercises in the table provided.

Question Number	Got it!	Almost there...	Need to retry or ask for help.
1			
2			
3			
4			



Note: Before you complete *Game On!*, you may review your skills and get more practice by completing the following problems in *Principles of Mathematics 11*.

- Page 106, #1b, 2, 3b, and 3c
- Page 113, #2b, 6, 7, 9, 11, and 14

Check your work in *Strengthening and Conditioning*.

