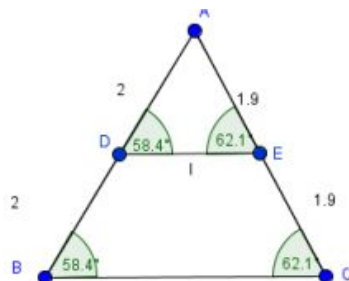


Student Activity Theorem 12

Use in connection with interactive file “Theorem 12” on the Student’s CD.

(Higher Level only)



1. How can you tell, if the line I is parallel to the BC?

2. What is the length of AD and DB in the interactive file?

3. What is the value of AD/ DB?

4. What is the value of AE and EC and what is the value of AE/ EC?

5. Has AE/ EC the same value as AD/DB?

6. Move some of the points. What happens to the angles in the triangle ABC and the triangle ADE? Is there any relationship between them?

7. As you move the points, what happens to the ratios AE/ EC and AD/DB?

8. What can you conclude from the answers to the questions above?

Conclusion _____

9. Click on the Tick Box on the interactive file to reveal the wording of this theorem.

Did you come to this conclusion? _____.