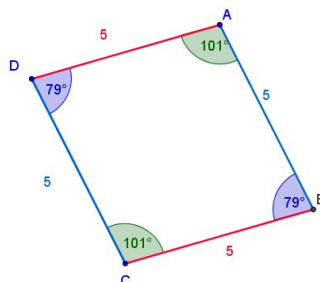


Student Activity Theorem 9

Use in connection with interactive file “Theorem 9” on the Student’s CD.



1. In the diagram ABCD is a parallelogram. Drag the point A to the right and then write down the lengths of the following line segments

[AB] = _____

[DC] = _____

[DA] = _____

[BC] = _____

What can be concluded from these measurements?

2. In the diagram ABCD is a parallelogram. Drag the point D to the left and then write down the lengths of the following line segments

[AB] = _____

[DC] = _____

[DA] = _____

[BC] = _____

What can be concluded from these measurements?

3. In the diagram ABCD is a parallelogram. Drag the point A to the right and then write down the measures of the following angles

DAB = _____

DCB = _____

ADC = _____

ABC = _____

What can be concluded from these measurements?

4. In the diagram ABCD is a parallelogram. Drag the point D to the left and then write down the measures of the following angles

DAB = _____

DCB = _____

ADC = _____

ABC = _____

What can be concluded from these measurements?

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

Did you come to this conclusion? _____.