

Properties of Parallelograms - Discovery (2)
Accompanies [Parallelograms: Discovery Labs](#)

Name:

Per:

Date:

*Be sure you have successfully completed Part 1 of this investigation before proceeding further!
You will need the applet you modified created in Part 1 to continue on to this next part.*

- 1) Select (highlight) the entire polygon. Select the **Angle** tool to find and display the measures of its four interior angles.
- 2) Move any one (or more) of the vertices of this quadrilateral around again. **What do you notice about any one (or more) of its angle measures? Be specific!**

- 3) Use your observations to complete the following theorem by filling in the blanks. (You'll formally prove this theorem later):

**If a quadrilateral is a _____ , then both pairs of
opposite _____ are _____ .**

Don't close this tab yet! Keep it open and use it to complete part 3 of this investigation.

