**Properties of parallelograms experiment Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Goal:** to create a parallelogram and measure its various pieces to understand its properties

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| 1. Below is a set of parallel lines. Use your ruler to trace the top and the bottom line with a pencil or pen. |
| 2. Turn the index card so that it is at a space slanted angle to the lines you traced. |
| 3. Trace along the sides of the index card forming a parallelogram. |
| 4. Pick any vertex and then label each in clockwise order with the letters A, B, C, D. |
| 5. Measure the following items and write the measurements on your parallelogram: |
| using a protractor: angle A angle B angle Cangle D |  Using a ruler:Side ABSide BCSide CDSide DA |
| 6. What can do you notice about the angles?7. What do you notice about the sides? |

