**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 C  angle D | Using a ruler:  Side AB  Side BC  Side CD  Side DA |
| 6. What can do you notice about the angles?  7. What do you notice about the sides? | |

