Topic: 1.1 Naming Lines, Angles, and Rays

1. Draw two points, how can you connect them with the shortest distance possible?
2. Draw three points, how can you connect them with the shortest distance possible? How did you connect them?
3. Is there a difference between connecting two points and three points? What about four points?
4. Draw a line that goes forever in both directions. What trouble might arise?
5. Draw a ray that only goes forever in one direction.
6. Draw a line segment. Measure its length by using the width of your index finger (which is roughly a centimeter).
7. For the line segment, label two points on it. Trace your finger from one point to the other, then the other way. Are these the same line segment?
8. Draw a line segment containing 4 points. Name the four points after your favorite animal. Name every single possible line segment. You can color code them if you want. How many line segments can you name?
9. Draw two angles that are the same. Why are they the same? What happens if you rotate or flip it? Are they still the same?
10. Draw two angles that are different. Why are different? What happens if you rotate or flip it? Are they still the same?
11. Draw two lines, do they always intersect? What forms when they intersect? Is this always true?
12. Imagine slicing a paper with another slice of paper. What forms when they intersect? Is this always true?