## Station 1 - Points



## Station 2 - Segments

| Definition |  |  |
| :---: | :---: | :---: |
| How to label |  | $\frac{\overline{A B}}{\overline{B A}}$ |
| Diagram | $A$ | B |
| HW Problems \& Examples | 1.1 \#12 |  |
| Important Information |  |  |

## Station 3 - Lines

| Definition |  |  |
| :---: | :---: | :---: |
| How to label | Lines are labeled by choosing an double-sided arrow on top. You may also label a line using single, lowercase letter. In the diagram below, you can label it line $m$. | All the seven of the following are <br> $\overrightarrow{A B} \overrightarrow{A G} \overrightarrow{G B}$ <br> $\overrightarrow{B A} \overrightarrow{G A} \overparen{B G}$ Line $m$ |
| Diagram | $m \xrightarrow{\boldsymbol{A} \quad \boldsymbol{G} \quad \boldsymbol{B}}$ |  |
| HW Problems \& Examples | 1.1 \#4,7 |  |
| Extra <br> Information | Only two points are needed to label a line. You never use three or more points to label a line. For example, an incorrect way to label the line above would be |  |

## Station 4 - Planes

| Definition |  |
| :---: | :---: |
| How to label |  |
| Diagram |  |
| HW Problems \& Examples | 1.1 \#6,8,34,55(b and c) |
| Extra <br> Information | There are multiple other ways to label the plane above. Here are a few examples: <br> Plane $A C B$ Plane $B A C$ Plane $C A B$ |

## Station 5 - Rays

| Definition |  |  |
| :---: | :---: | :---: |
| How to label |  | $\begin{aligned} & \overrightarrow{A B} \\ & \overrightarrow{B A} \end{aligned}$ |
| Diagram |  | $\begin{array}{rl} \underset{A}{A} & B \\ \hline A \\ \underset{A}{A} & B \\ \hline \end{array}$ |
| HW Problems \& Examples | 1.1 \#14 |  |
| Extra Information |  | $\dot{H} \dot{A} \dot{\mu}$ |

## Station 6 - Opposite Rays

| Definition | Ond |  |
| :---: | :---: | :---: |
| How to label | Omate |  |
| Diagram | $D$ | $\xrightarrow{\boldsymbol{F}}$ |
| HW Problems \& Examples | 1.1 \#15,50 |  |
| Extra Information |  |  |

## Collinear and Coplanar HW 1.1 \#9,10,31,55(a)

