1. Draw the following rays: $\vec{AB}, \vec{AC}, \vec{AD}$
2. Use a ruler to measure the distance of the following line segments:
	1. $\overbar{AB}$=
	2. $ \overbar{AC}$=
	3. $ \overbar{AD}$=
	4. $ \overbar{BC}$=
	5. $ \overbar{CD}$=
3. Dilate the line using a scale factor of 1/2
	1. $\overbar{AB}'$=
	2. $ \overbar{AC'}$=
	3. $ \overbar{AD}$’=
4. Measure the following line segments:
	1. $\overbar{B'C'}$=
	2. $ \overbar{C'D'}$=
	3. What relationship do you see between $ \overbar{BC}$ and $\overbar{B'C'}$?
	4. What relationship do you see between $\overbar{CD}$ and $\overbar{C'D'}$?
5. Dilate the original line using a scale factor of 3
	1. $\overbar{AB}'$=
	2. $ \overbar{AC'}$=
	3. $ \overbar{AD}$’=
6. Measure the following line segments:
	1. $\overbar{B'C'}$=
	2. $ \overbar{C'D'}$=
	3. What relationship do you see between $ \overbar{BC}$ and $\overbar{B'C'}$?
	4. What relationship do you see between $\overbar{CD}$ and $\overbar{C'D'}$?



