Topic: 1.6 Segment and Angle Bisectors

1. Name words that have the prefix 'bi-'. What is usually true in these scenarios? What does the prefix 'bi-' mean?

2. Draw a line segment, label the endpoints. Draw what you think it means to bisect it. Does it match your definition above?

3. What do you notice about your bisected segment? Label the endpoints and you should also have a midpoint, what do you notice?

4. Draw an angle, label the endpoints and vertex. Draw what you think it means to bisect it. Does it match your definition above?

5. What do you notice about your bisected angle?

6. Draw the straight angle (180 degrees) and bisect it. What angles do you get?

7. Draw a right angle and bisect it. What angles do you get?

8. When you are bisecting an angle, what ratio are the segments being split up into?

9. I am thinking of a line segment of length 10 What would be the length of the bisected segments?

10. I am thinking of an angle of 50°. What would be the angle measure of the bisected angles?

11. I am thinking of a line segment of length s. What would be the angle measure of the bisected segments?

12. I am thinking of an angle of θ degrees. What would be the angle measure of the bisected angles?