## 9.0 Circle Definitions and Arcs Day 2

## **Learning Targets:**

- a. I can use central angles of a circle to find major and minor arcs of a circle.
- b. I can use major and minor arcs of a circle to find central angles of a circle.

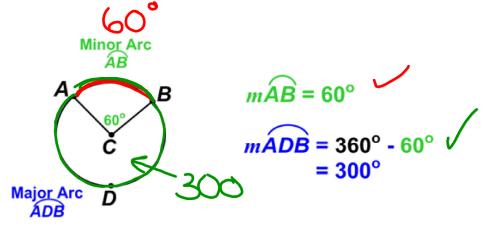
Any two points A and B on a circle C determine a MINOR ARC and a MAJOR ARC.

MINOR ARC - The shorter arc connecting two points on a circle.

- A minor arc is less than 180°.
- · The minor arc is denoted using two letters.
- · The minor arc is equal to the measure of its central angle.

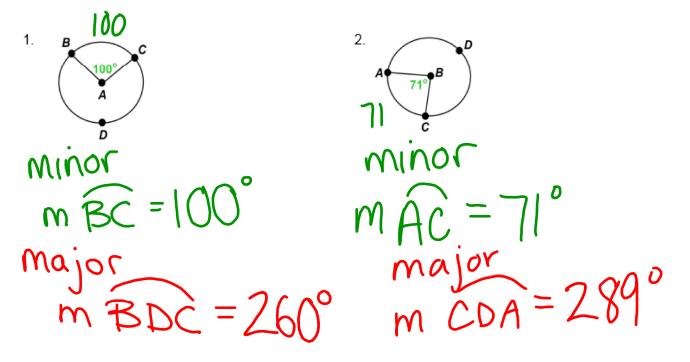
MAJOR ARC - The longer arc connecting two points on a circle.

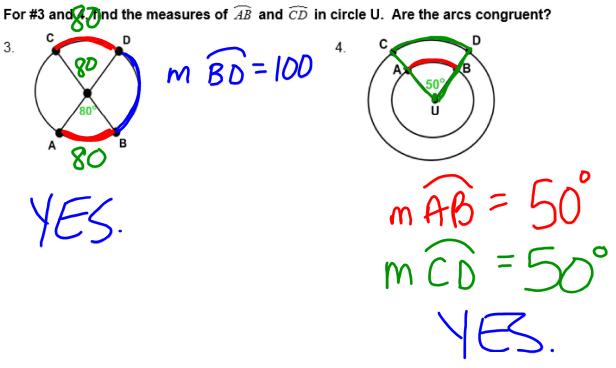
- A major arc is between 180° and 360°.
- The major arc is denoted using three letters.
- The major arc is equal to the difference of 360° and the measure of the related minor arc.

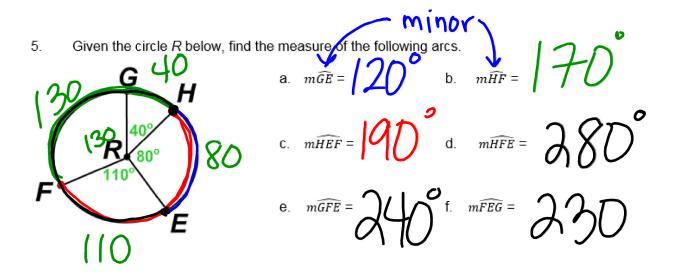


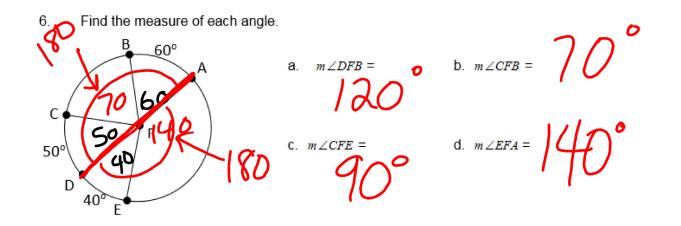
## **Examples**

For #1 and 2 identify a major and minor arc and then find their measures.

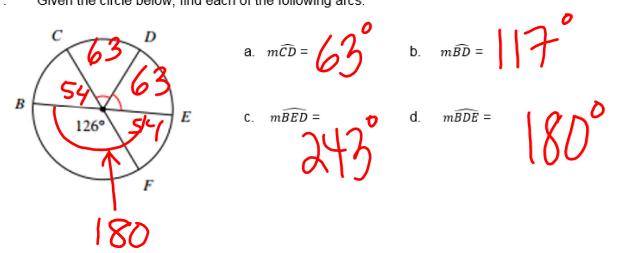








7. Given the circle below, find each of the following arcs.



One last example...

