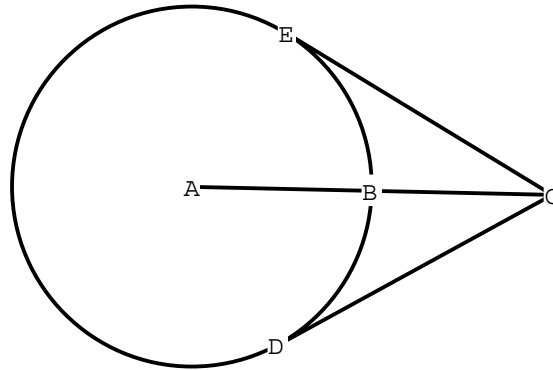


WINGEOM CIRCLES LAB #2

Names _____



- 1) **Btns/Circ:** Create a random circle A with random point B, which lies on the circle.
- 2) **Btns/seg:** Draw radius AB. Create an extension to exterior point C such that A, C, B are collinear and $AC = 2(AB)$. **Point/Seg division:** Segs AM, mark at 2.
- 3) **Line/Tangent:** Draw both tangent segments to circle A from C. Connect the radii to the points of tangency.
- 4) **Measure:** to verify conjectures. What is the measure of angle DCE? _____. Why?

DRAWINGS AND DATA

CONJECTURES: [If there are congruent triangles, prove they are congruent.]
[If the triangles are a special type, explain why in a paragraph proof.]

PROOFS
