GEOMETRY

Draw circle B: center B, any radius.

Label the intersections of circle B with the sides of the angle as A and C.

Label the vertex of the original angle as B.

Draw \overrightarrow{ED} .

Draw \overrightarrow{EG} as one side of the angle to be drawn.

Draw circle F: center F, radius FA.

Draw circle E: center E, radius EA.

Label intersection of circle E with \overrightarrow{EG} as F.

Label either intersection of circle E and circle F as D.