

Constructing the Bisector of an Angle using a compass and straight edge only



- ① Use your compass to draw an arc from the vertex of the angle (A).
- ② Use your compass to draw an arc from where arc 1 cuts the lower arm of the angle (B).
- ③ Being careful not to change the radius of the compass from step 2 draw an arc from where arc 1 cuts the upper arm of the angle (C). This arc should intersect with arc 2 (D).
- ④ Use the straight edge to draw a line through the vertex of the angle (A) and the intersection of arc 1 and arc 2 (D).

