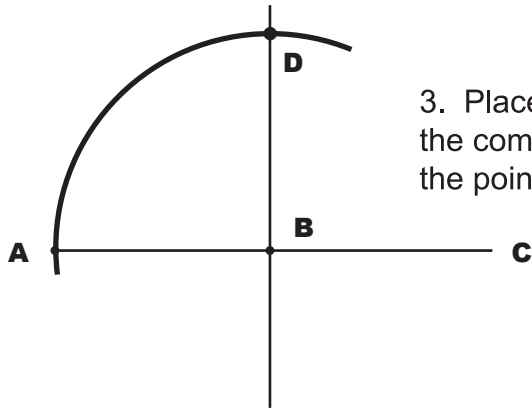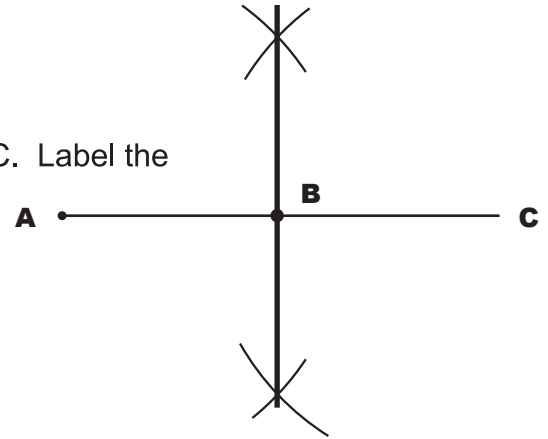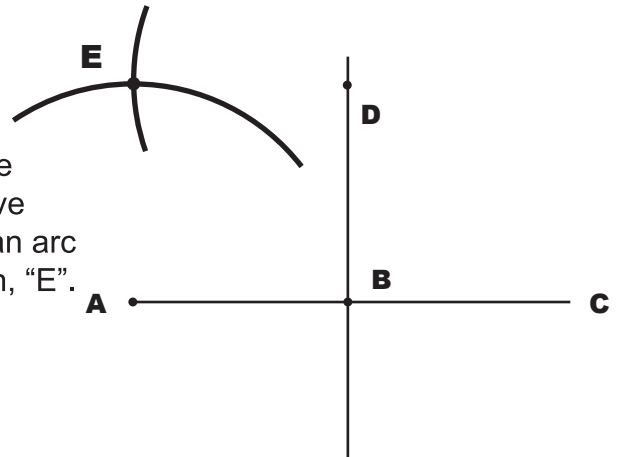# Constructing a Square

1. Draw a line segment AC (make it about 5 inches long) in the middle of a piece of paper.
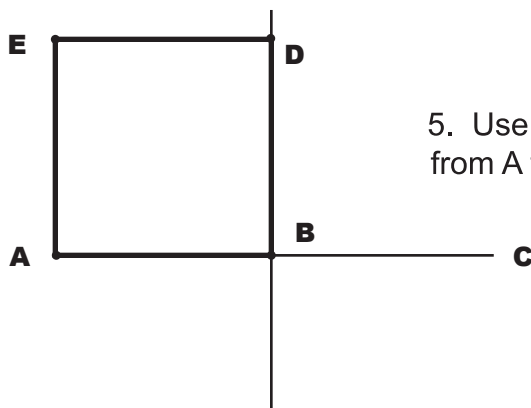
A ———————————— C

2. Construct the perpendicular bisector to line AC. Label the intersection of both lines, B

3. Place the point of the compass on B and the Pencil tip of the compass on A. Draw an arc from A to just over B. Label the point where the arc intersects the line above B, "D".

4. Without changing the compass, place the point of the compass on D and draw an arc to the left of D and above point A. Then place the compass point on A and draw an arc that intersects the last arc drawn. Label the intersection, "E".

5. Use a ruler to draw straight lines from D to E and from A to E. The square is finished.