

1. With an existing circle with center C: 2. draw diameter DE; 3. draw perpendicular CP; 4. swing arcs from C & E to bisect radius CE at B; 5. Swing arc of length BP from center B to intersect CD at A; 6. Swing arc of length PA from center P to intersect circle at Q; 7. using length PA, swing arc from P to intersect other side of circle at T, then from Q to R and T (or R) to S. To create a decagon, extend radius PC to intersect the other side of the circle and use length PA to make 4 more intersections and connect.