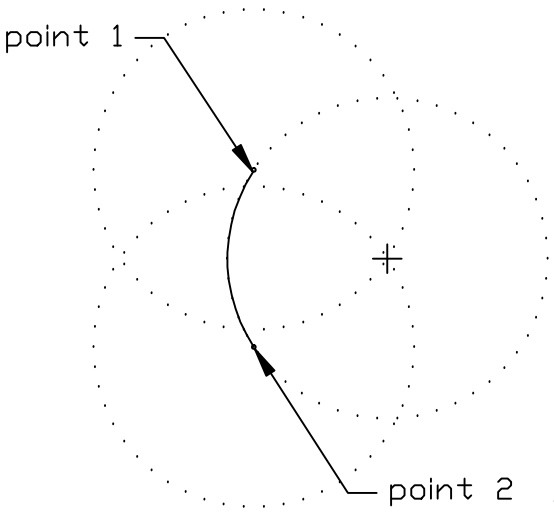
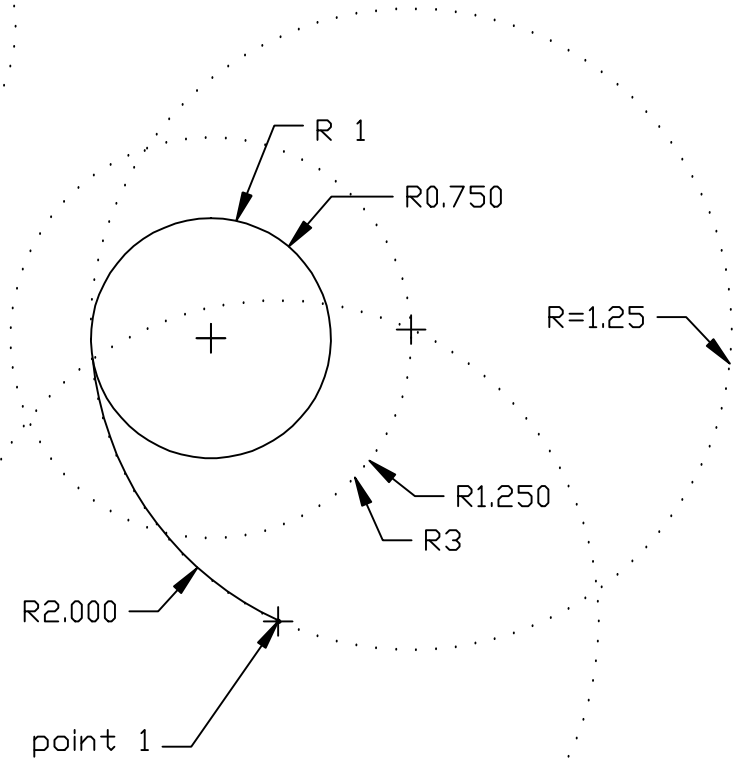
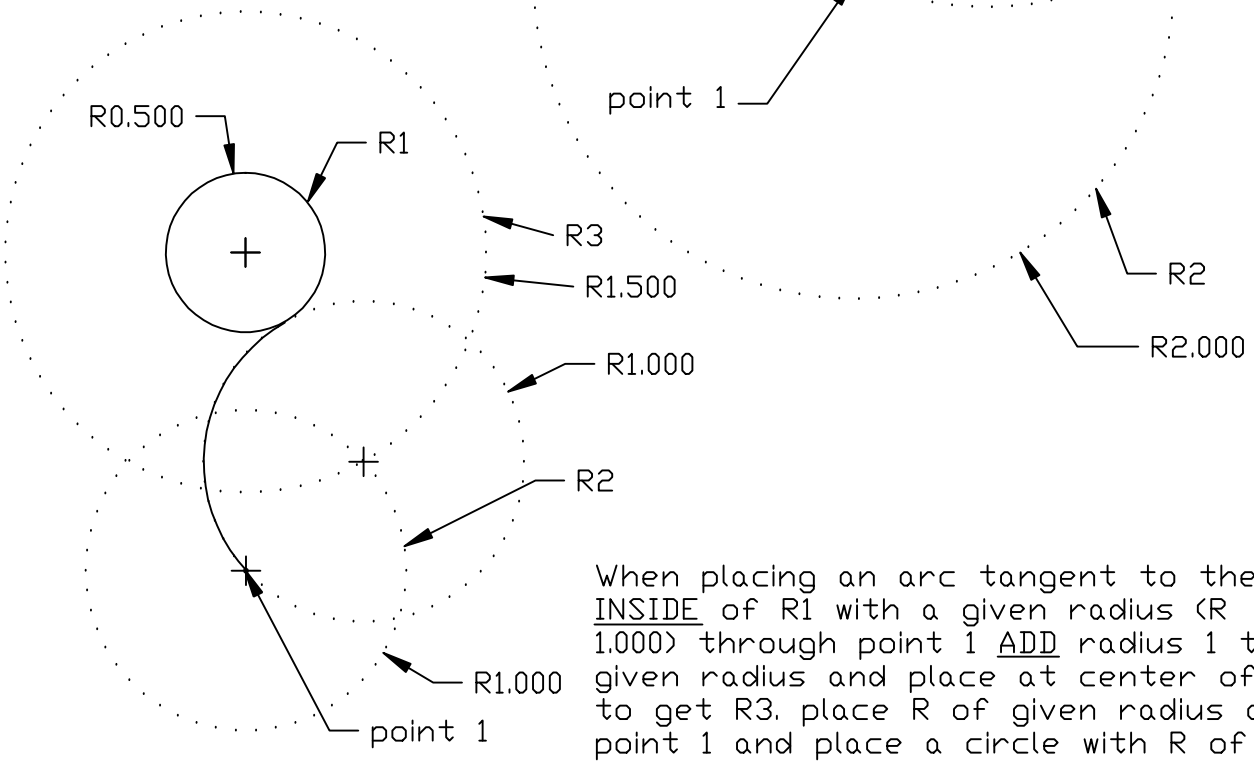


When placing an arc with a known Radius through two points, place two circles on the points with known radius.
At the intersection of the two circles place a circle the same radius and it will strike both points.



When placing a radius of a given length (2.000) tangent to the OUTSIDE of R1 through a given point SUBTRACT R1 from R2 (given radius) to get R3 Place a radius of given length at intersection of R2 & R3.



When placing an arc tangent to the INSIDE of R1 with a given radius (R 1.000) through point 1 ADD radius 1 to given radius and place at center of R1 to get R3. place R of given radius at point 1 and place a circle with R of given radius at intersection of R2 & R3.