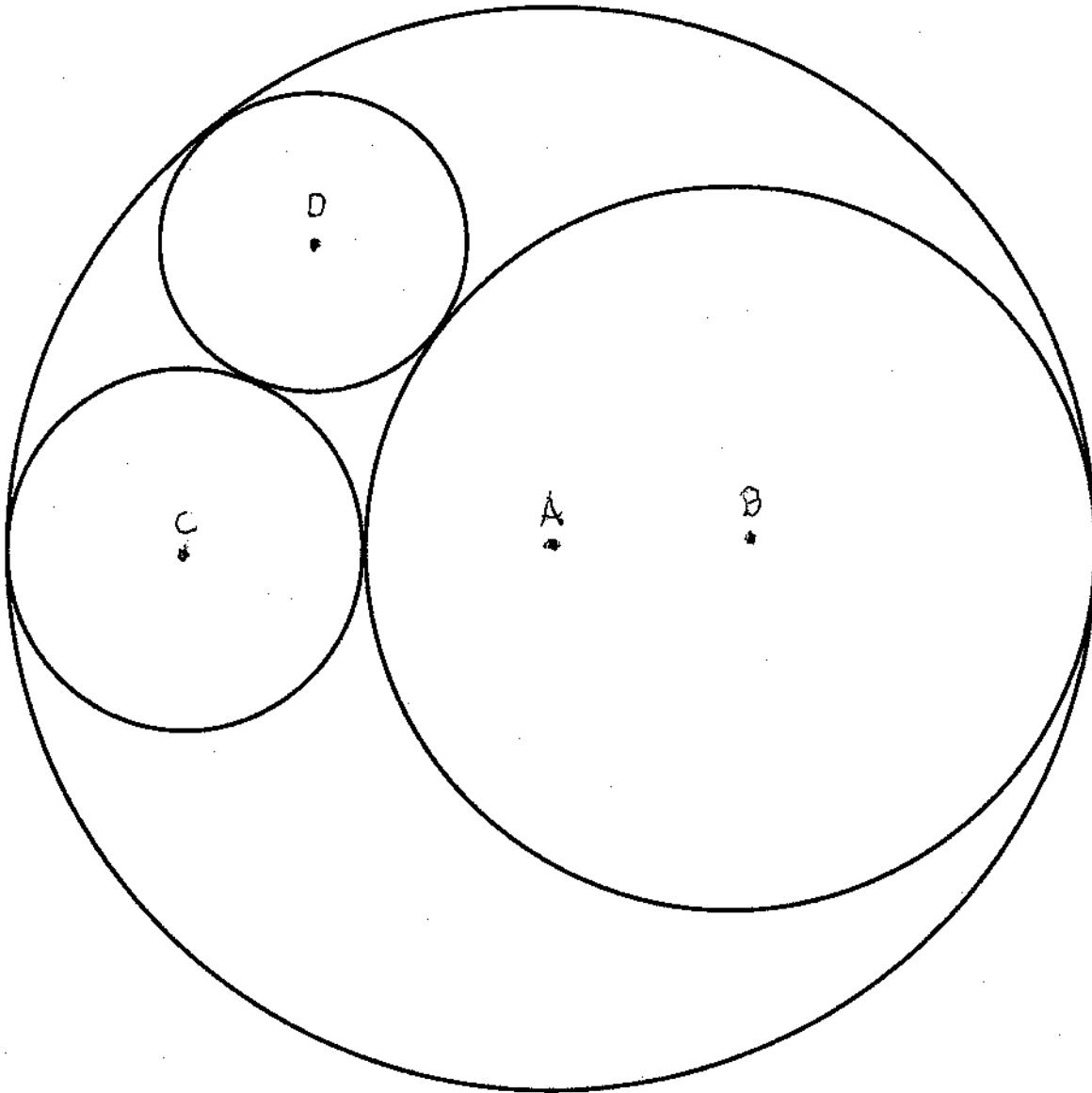


## Research Problem



All circles are tangent to each other.

Circle A has radius 3.

Circle B has radius 2.

Circle C has radius 1.

What is the radius of circle D?

The centers of circles B and C lie on the diameter of circle A.